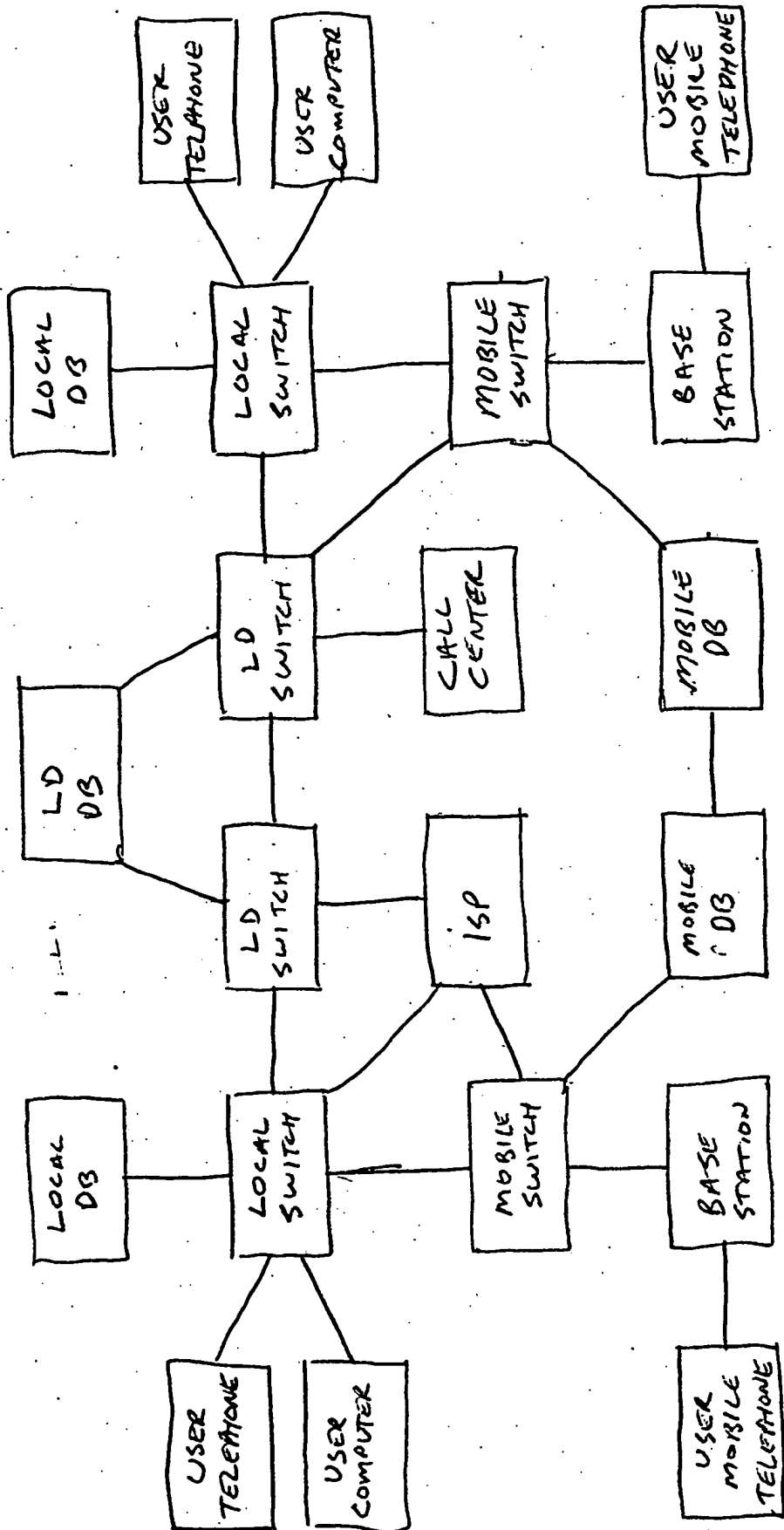


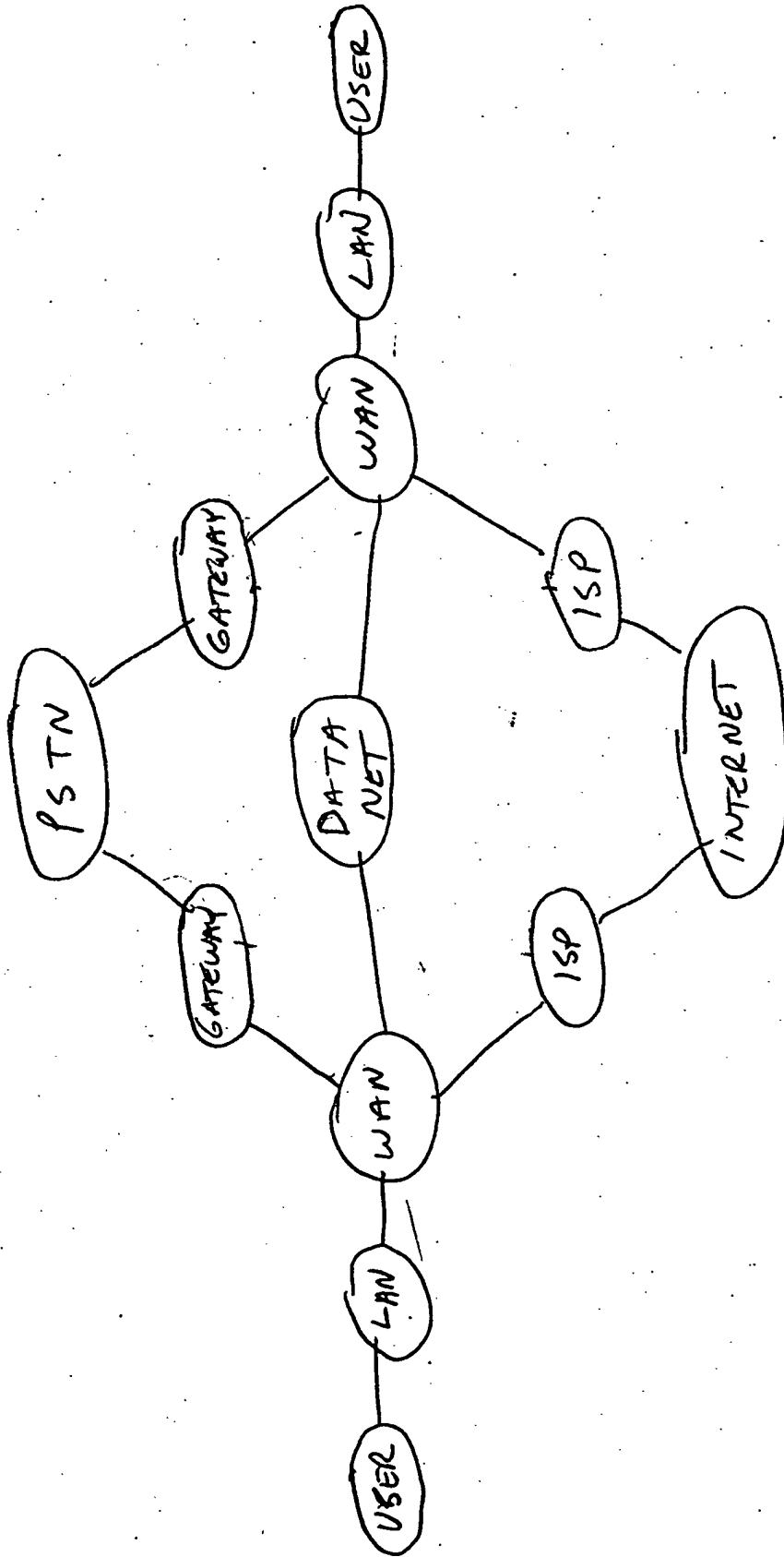
Sheet 3 of 3



PRIOR ART

FIG. 1

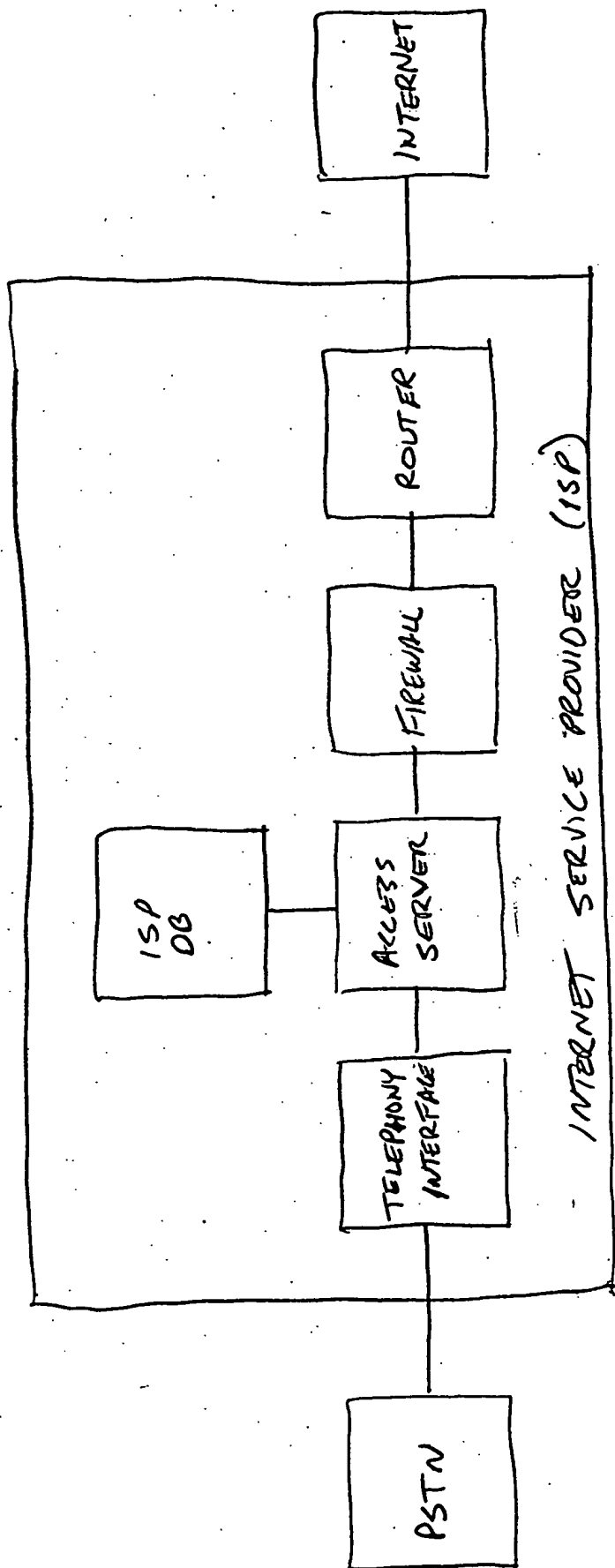




PRIOR ART

FIG. 2

11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21th 22th 23th 24th 25th 26th 27th 28th 29th 30th 31st
 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21st
 22nd 23rd 24th 25th 26th 27th 28th 29th 30th 31st



Prior Art

M
10
11

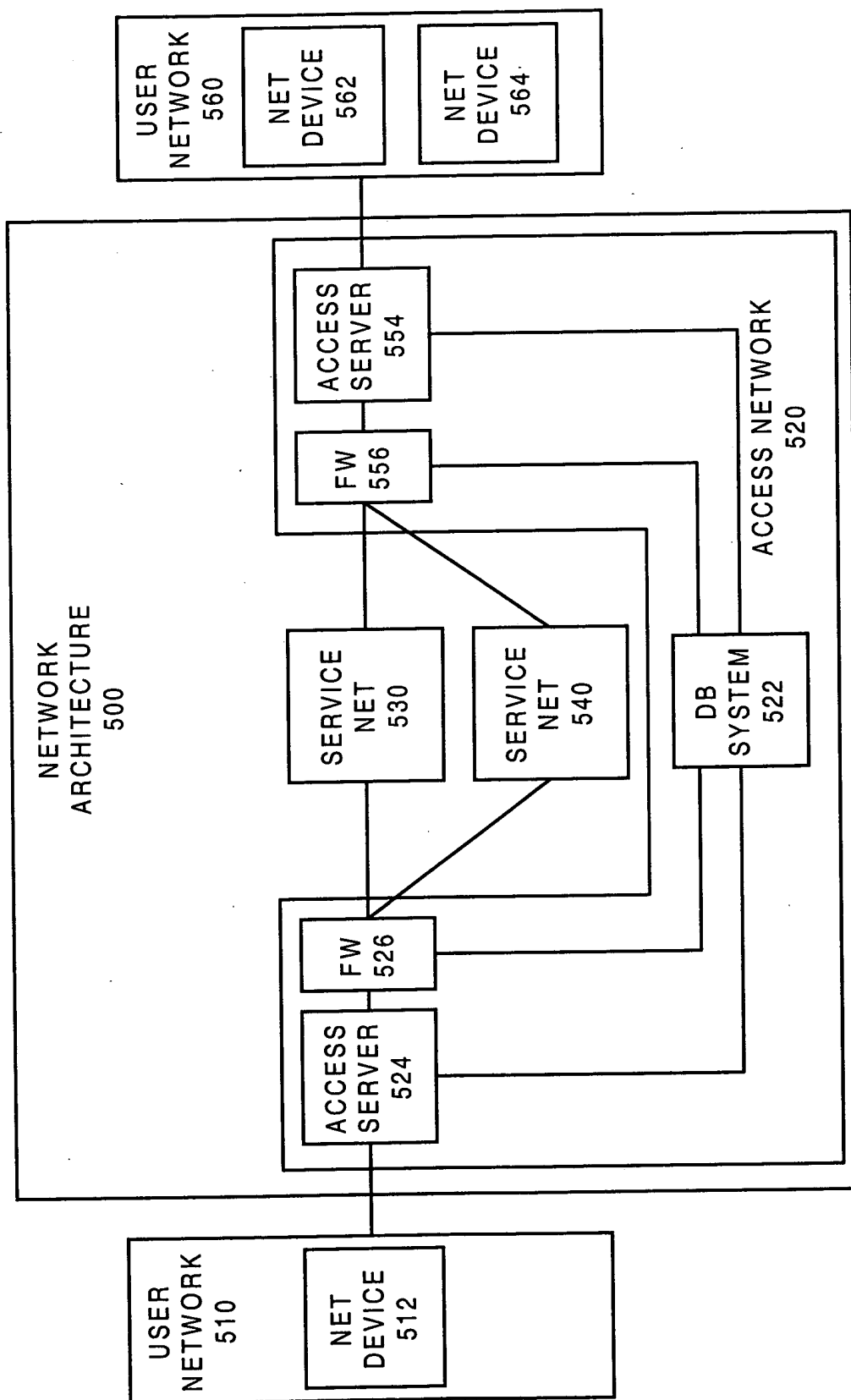


FIG. 5

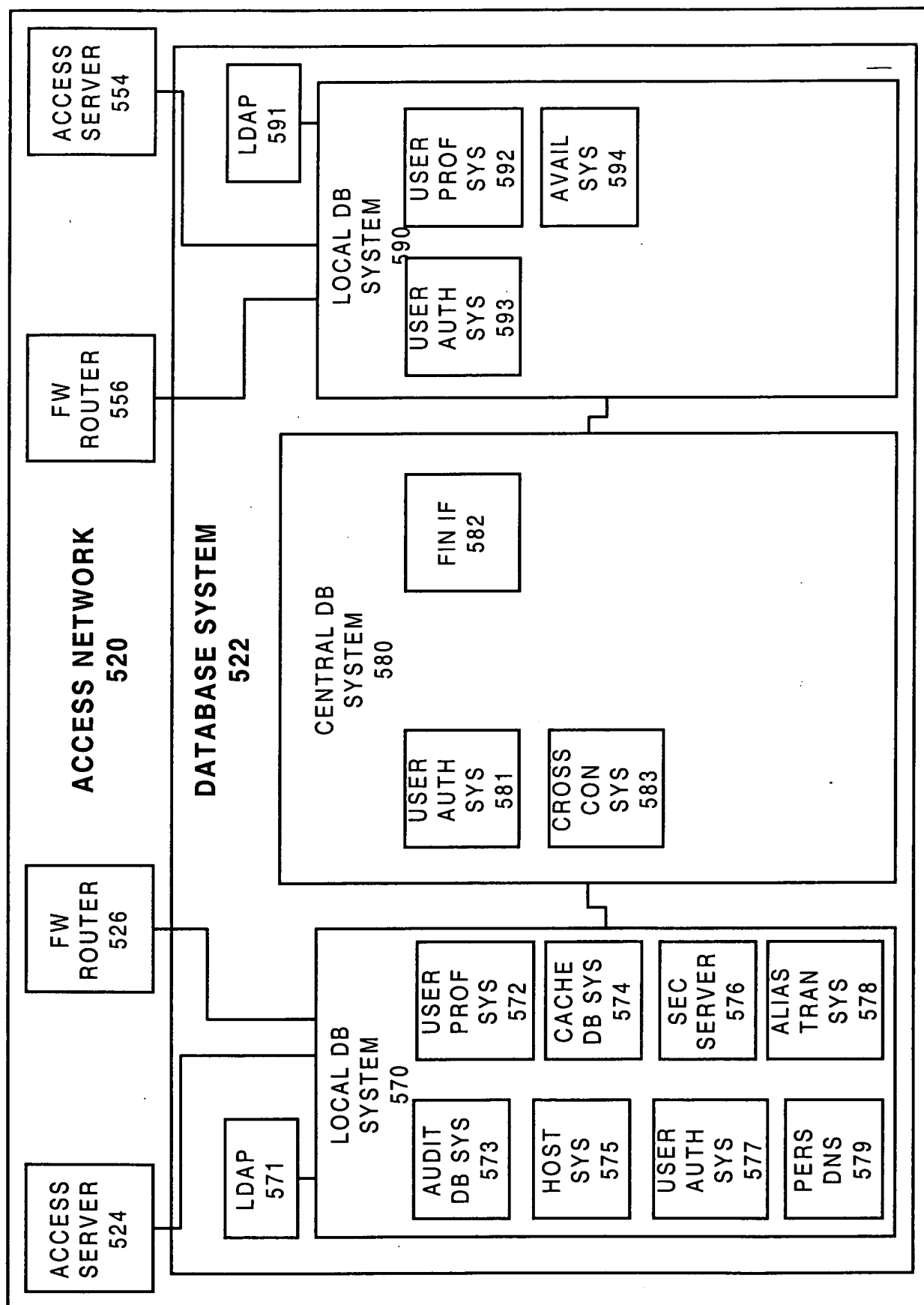


FIG. 6

Customer Information

USER ID	PASSWORD	NAME	ACCOUNT NUMBER	SERVICES	ADDRESS	BILLING CODE	CLASS	GROUP	SHELL	MACROS

FIG. 7

```

graph TD
    800([START]) --> 802[WAIT FOR PACKET]
    802 --> 804[RECEIVE AND PROCESS PACKET]
    804 --> 806{IS DEST THE USER PROFILE?}
    806 -- NO --> 808[TRANSMIT PACKET ON CORRECT PATH]
    808 --> 802
    806 -- YES --> 810{NET DEV ALLOW TO ACCESS USER?}
    810 -- NO --> 812[DISCARD PACKET AND REGISTER A NETWORK REQUEST SECURITY EVENT]
    812 --> 802
    810 -- YES --> 814{USER ALLOW PROFILE UPDATES?}
    814 -- NO --> 816[GENERATE PROFILE UPDATE NOT ALLOWED MESSAGE]
    816 --> 802
    814 -- YES --> 818[GENERATE MESSAGE IF ALLOW PROFILE UPDATE]
    818 --> 820{USER APPROVE UPDATE?}
    820 -- NO --> 822[GENERATE USER PROFILE ABORTED MESSAGE]
    822 --> 802
    820 -- YES --> 824[SET EXTERNAL REQUEST TIMER]
    824 --> 826[GENERATE REQUEST TO UPDATE USER PROFILE]
    826 --> 828{REPLY OR TIMER EXPIRED?}
    828 --> 830{VALID REPLY?}
    830 --> 832[GENERATE UPDATE COMPLETE MESSAGE]
    832 --> 802
    830 --> 834[DISCARD PACKET AND REPLY TO USER THAT UPDATE FAILED]
    834 --> 802

```

FIG. 8

03422 923360

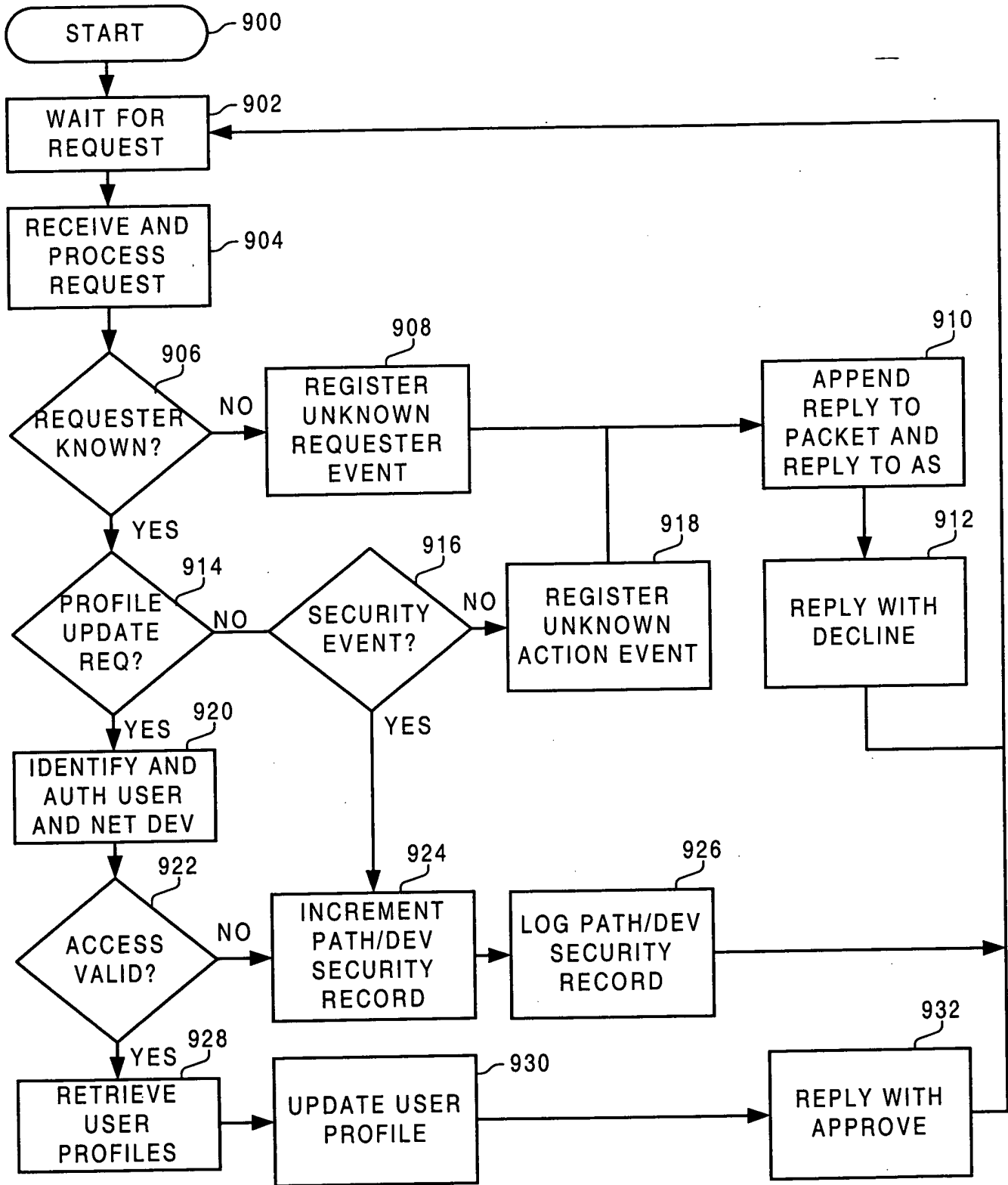


FIG. 9

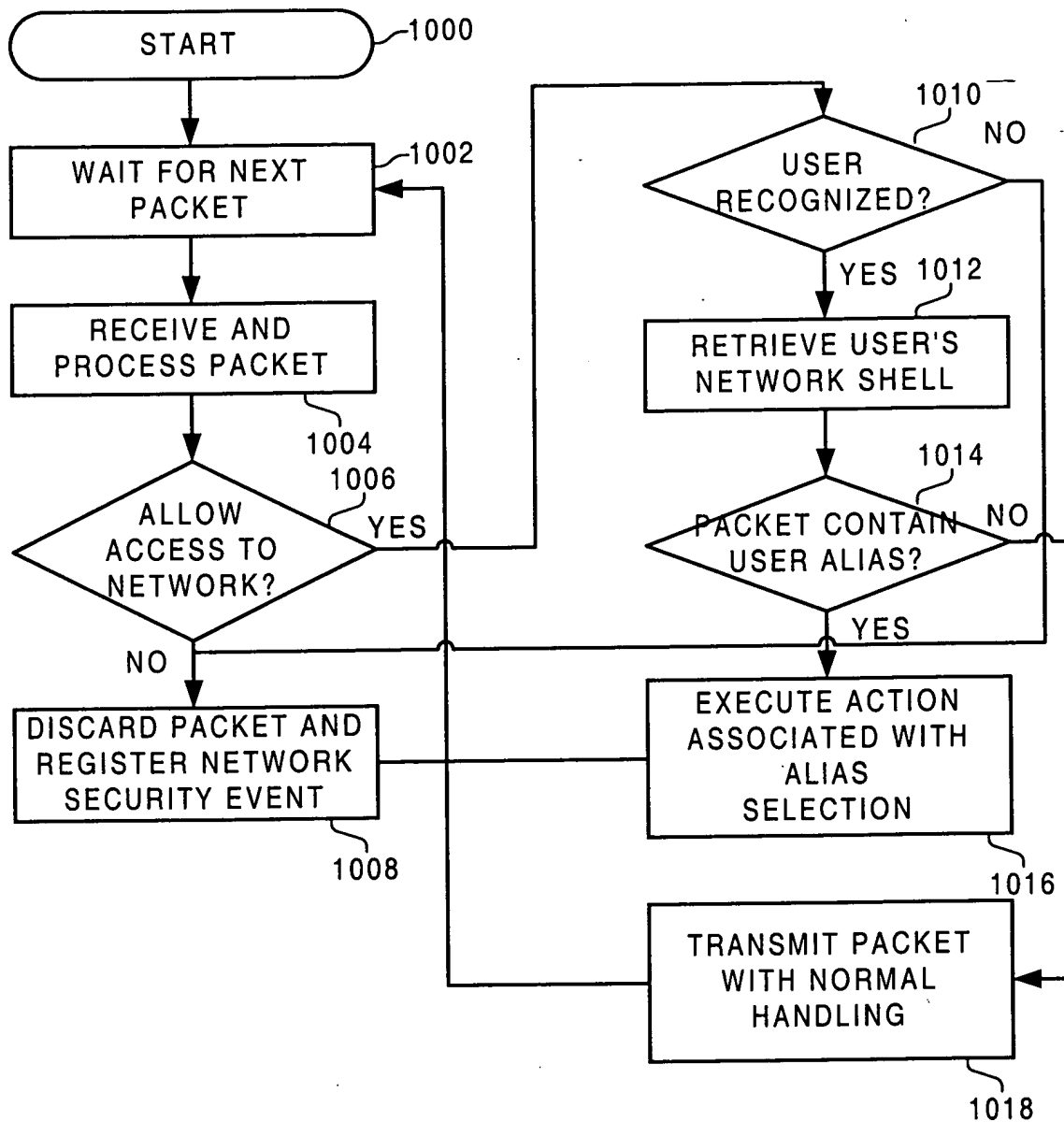


FIG. 10

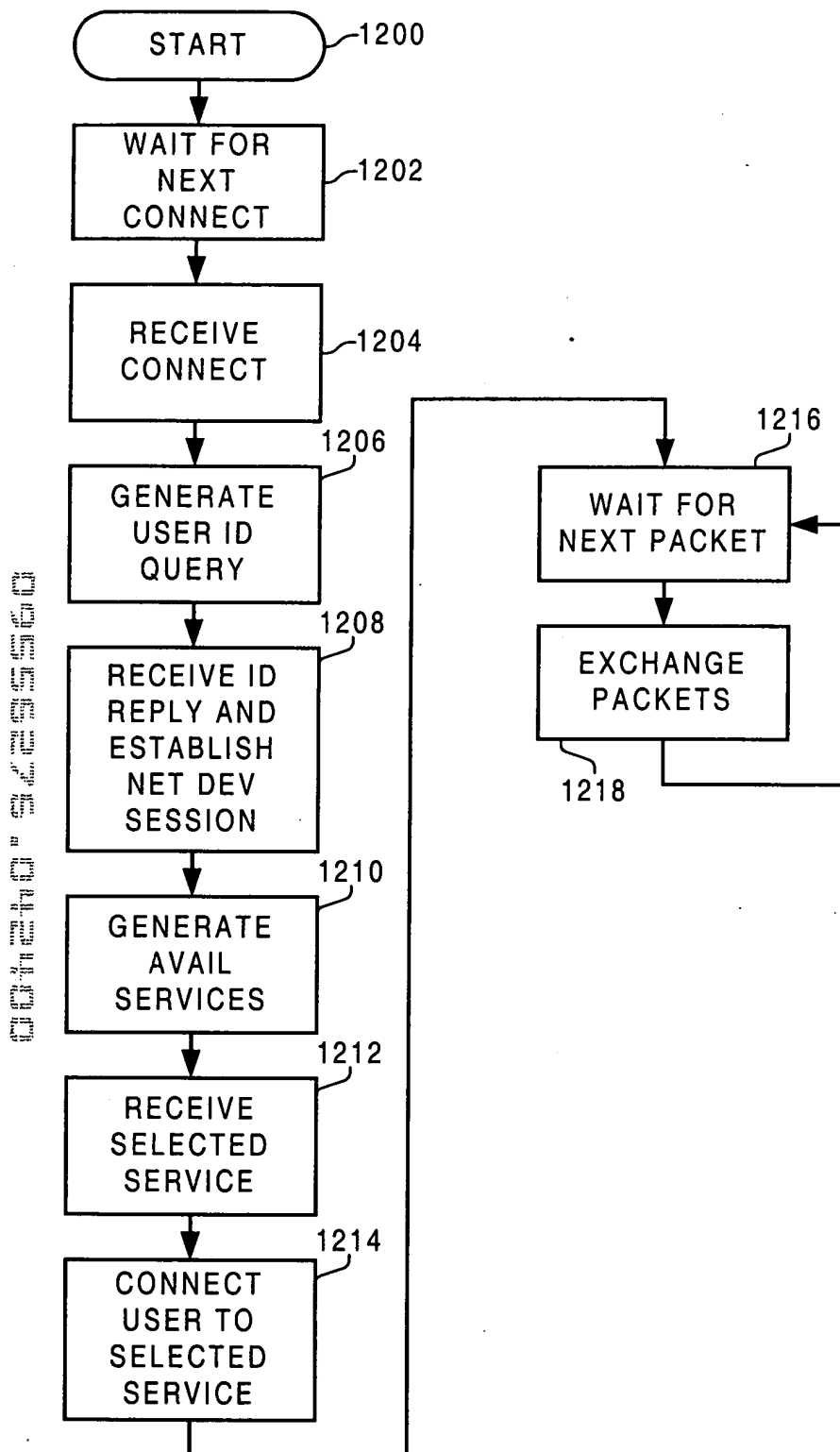


FIG. 12

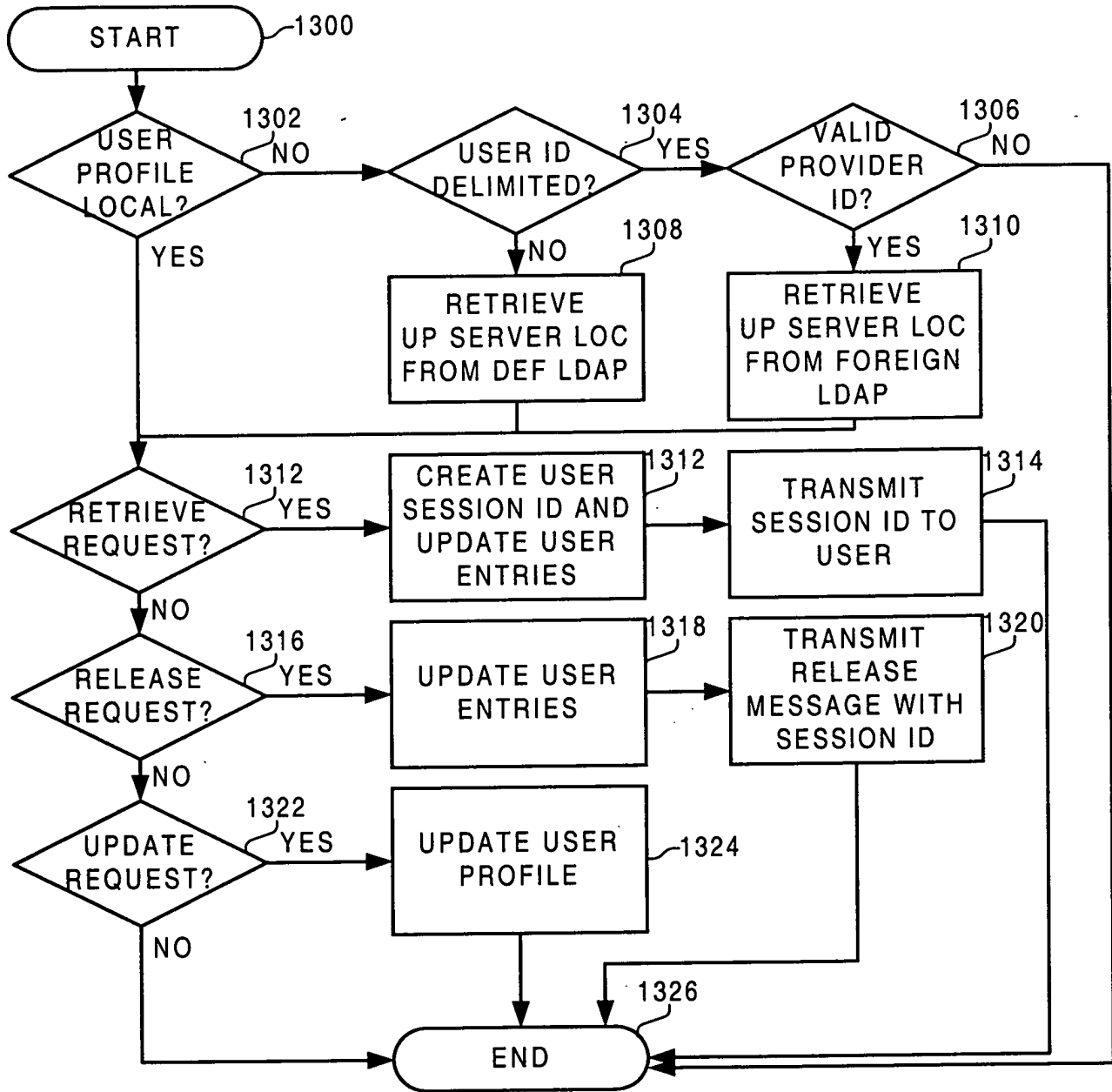


FIG. 13

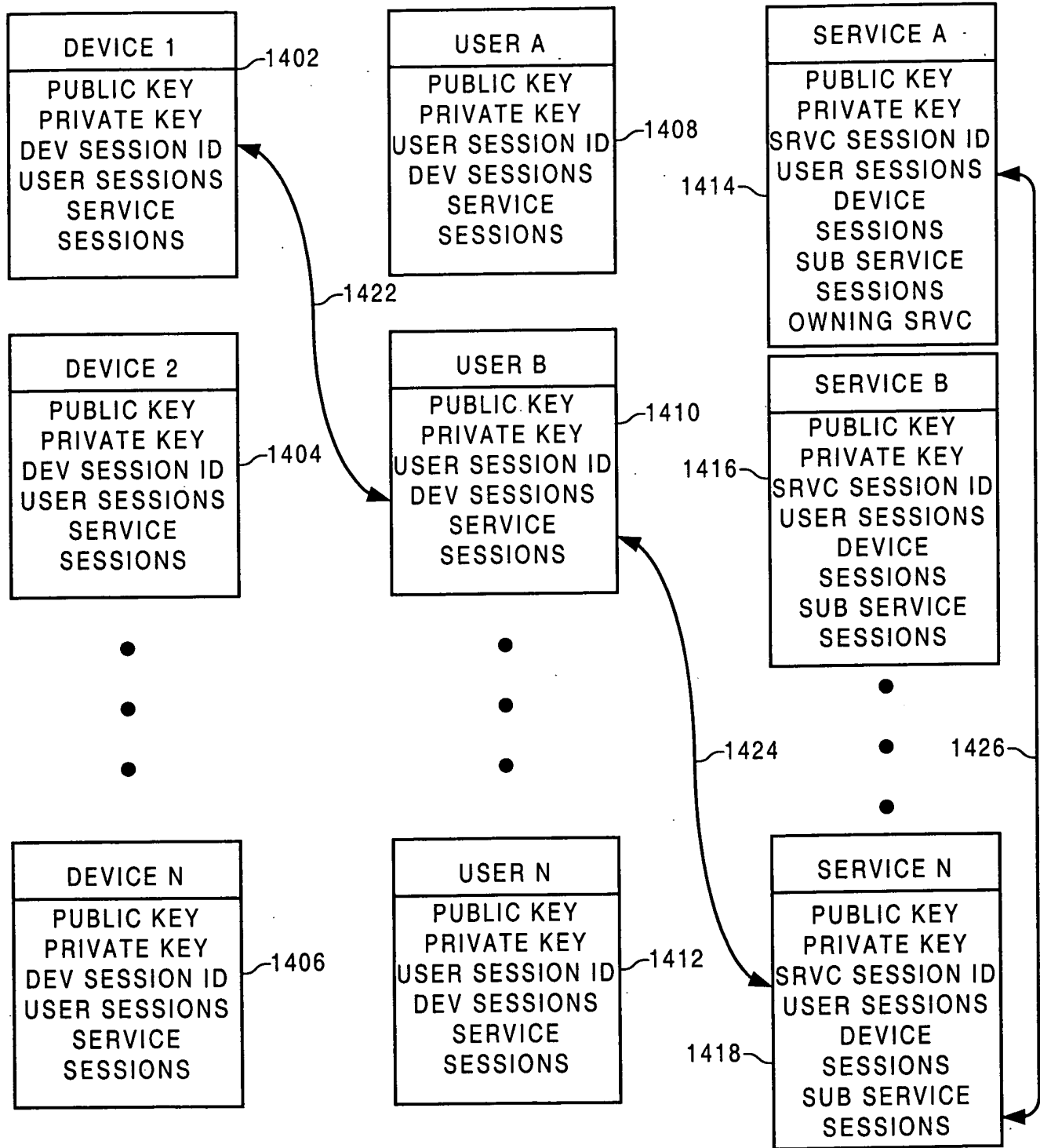
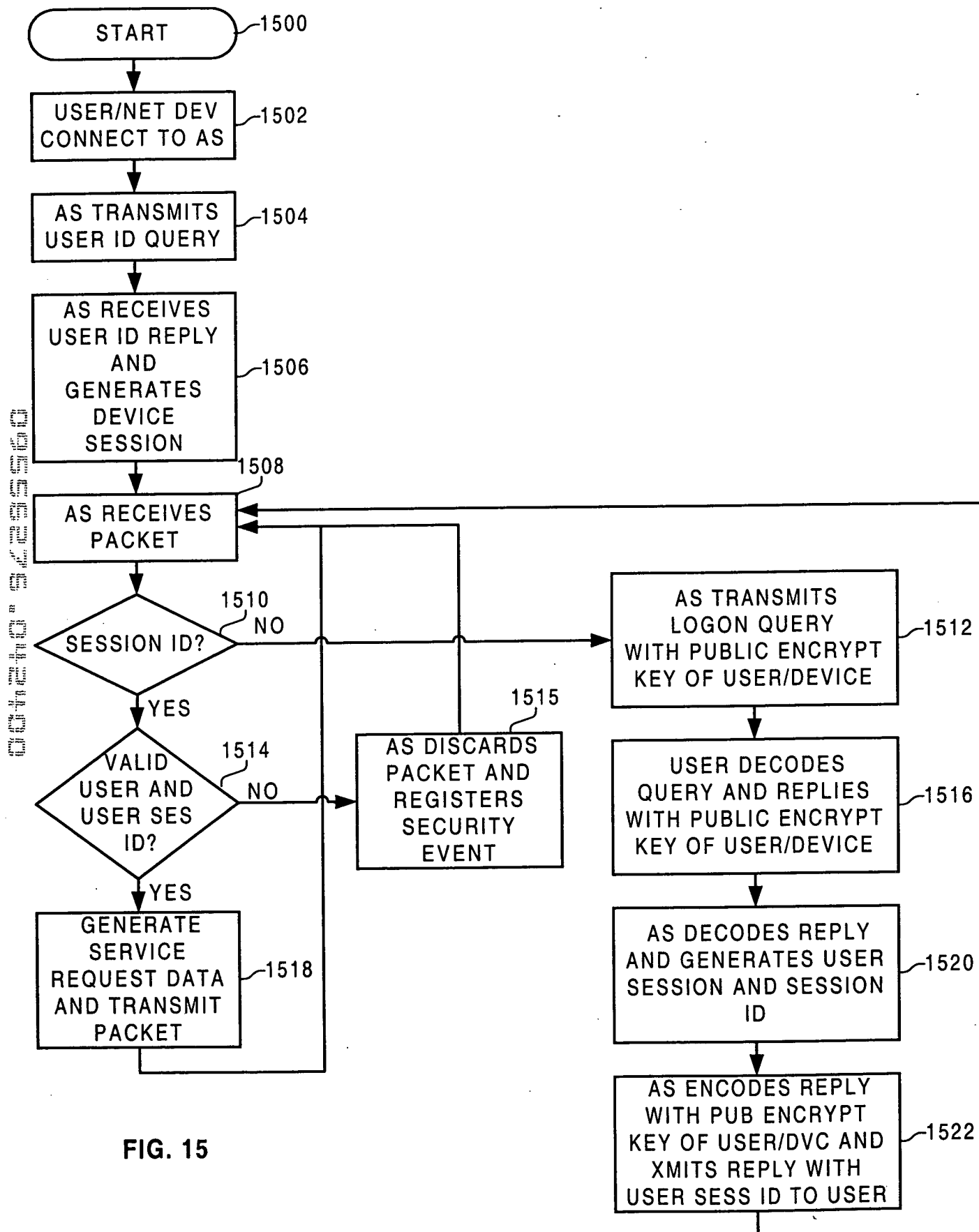


FIG. 14



```

graph TD
    1600([START]) --> 1602[AS RECEIVES SERVICE REQUEST]
    1602 --> 1604{SERVICE SESSION ID?}
    1604 -- YES --> 1608{VALID USER AND USER SES ID?}
    1604 -- NO --> 1606[AS TRANSMITS LOGON QUERY WITH PUBLIC ENCRYPT KEY]
    1608 -- YES --> 1612[GENERATE SERVICE REQUEST DATA AND TRANSMIT PACKET]
    1608 -- NO --> 1606
    1612 --> 1602
    1606 --> 1610[USER DECODES QUERY AND REPLIES WITH PRIVATE KEY]
    1610 --> 1614[AS DECODES REPLY AND GENERATES SERVICE SESSION AND SESSION ID]
    1614 --> 1616[AS TRANSMITS REPLY WITH SERVICE SESSION ID TO USER]
    1616 --> 1602

```

FIG. 16

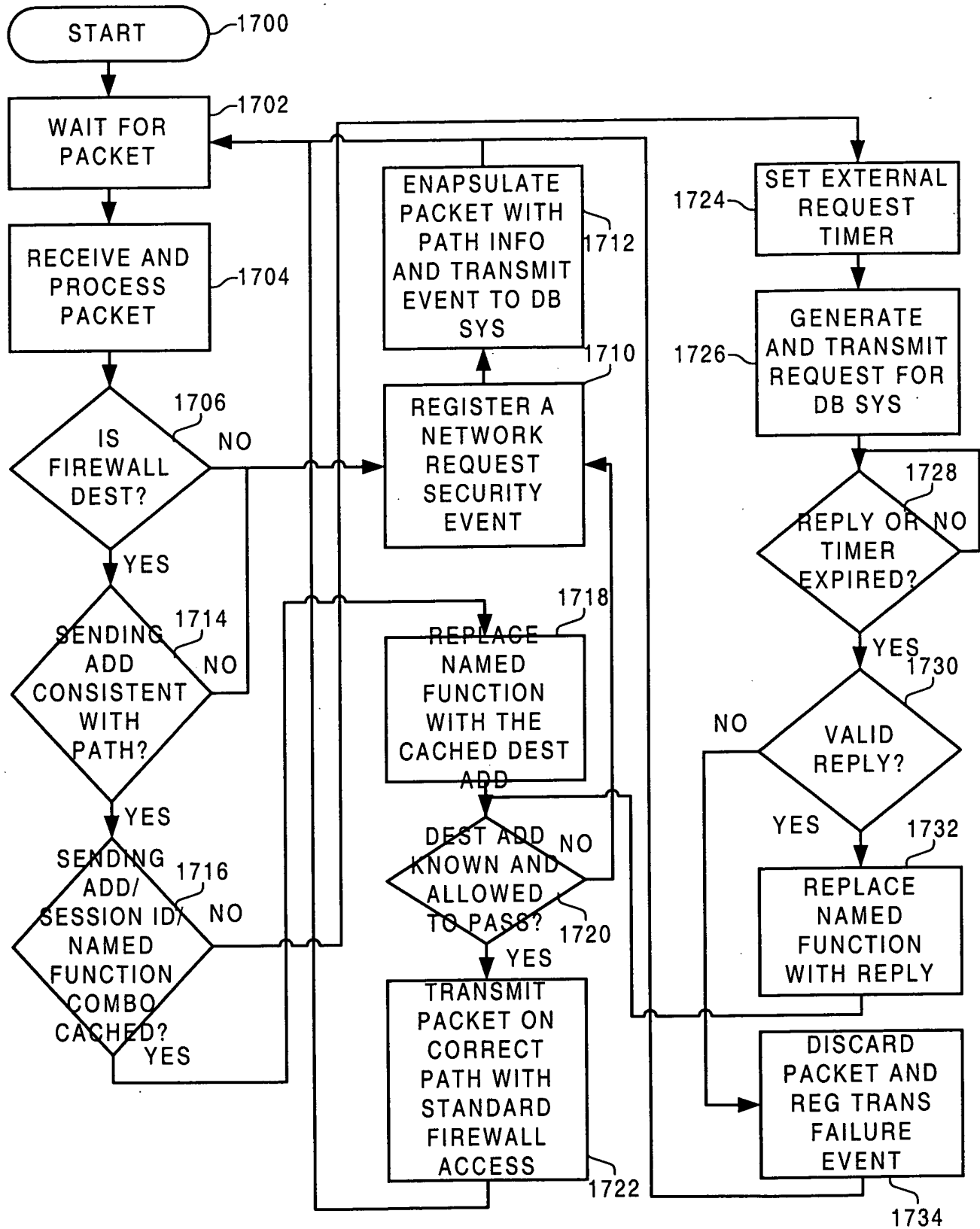


FIG. 17

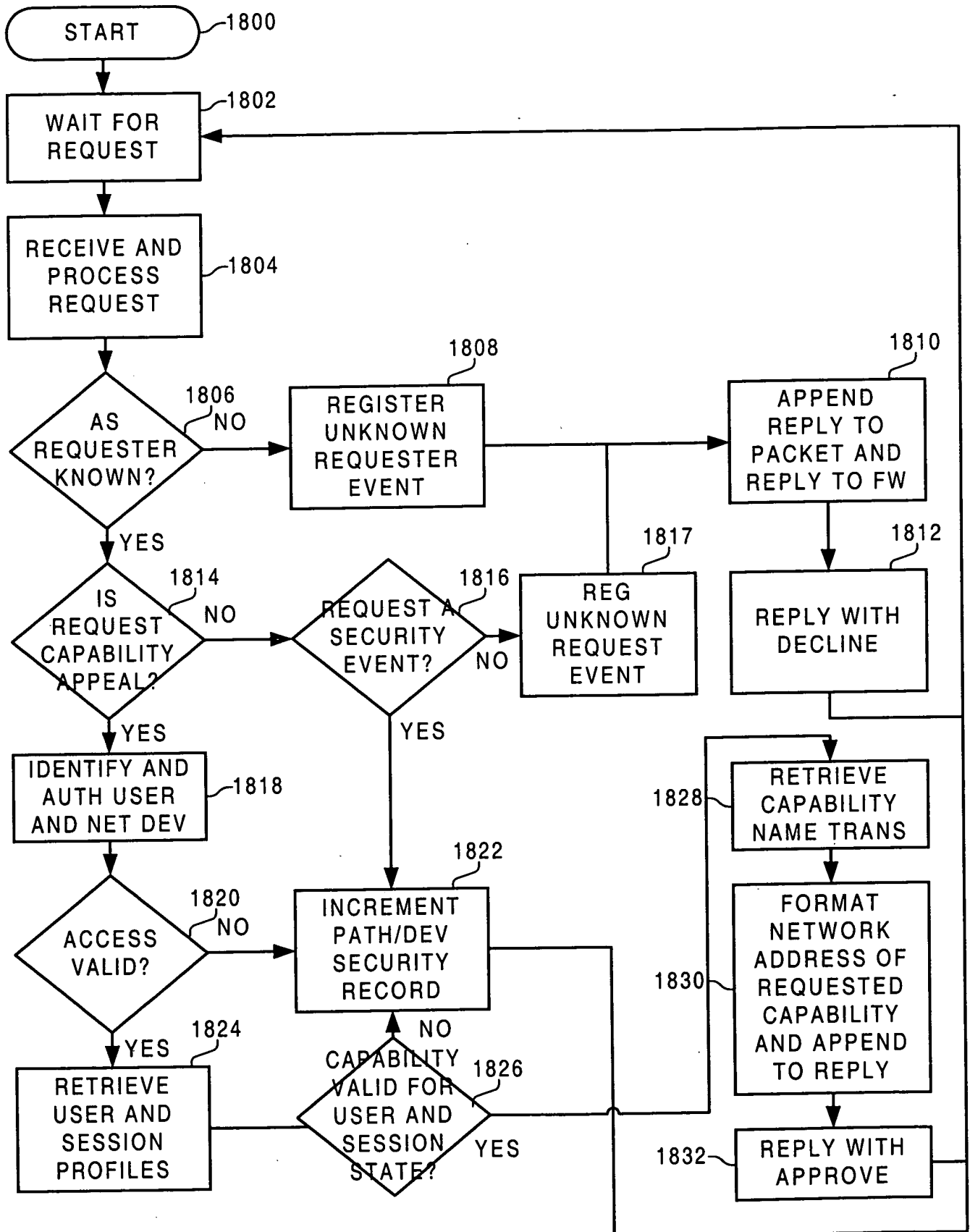


FIG. 18

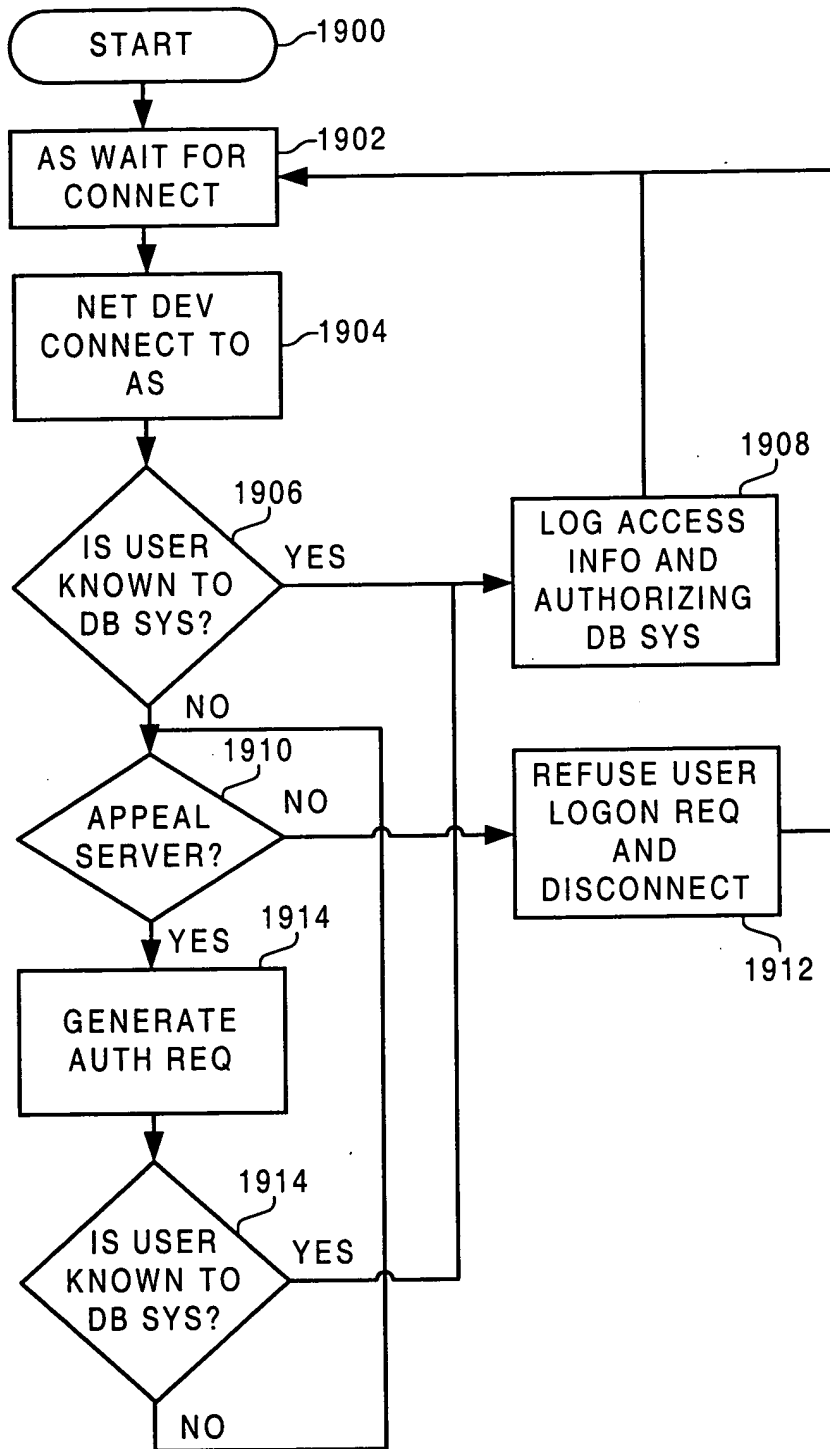


FIG. 19

2000 2002 2004 2006 2008 2010 2012 2014 2016 2018

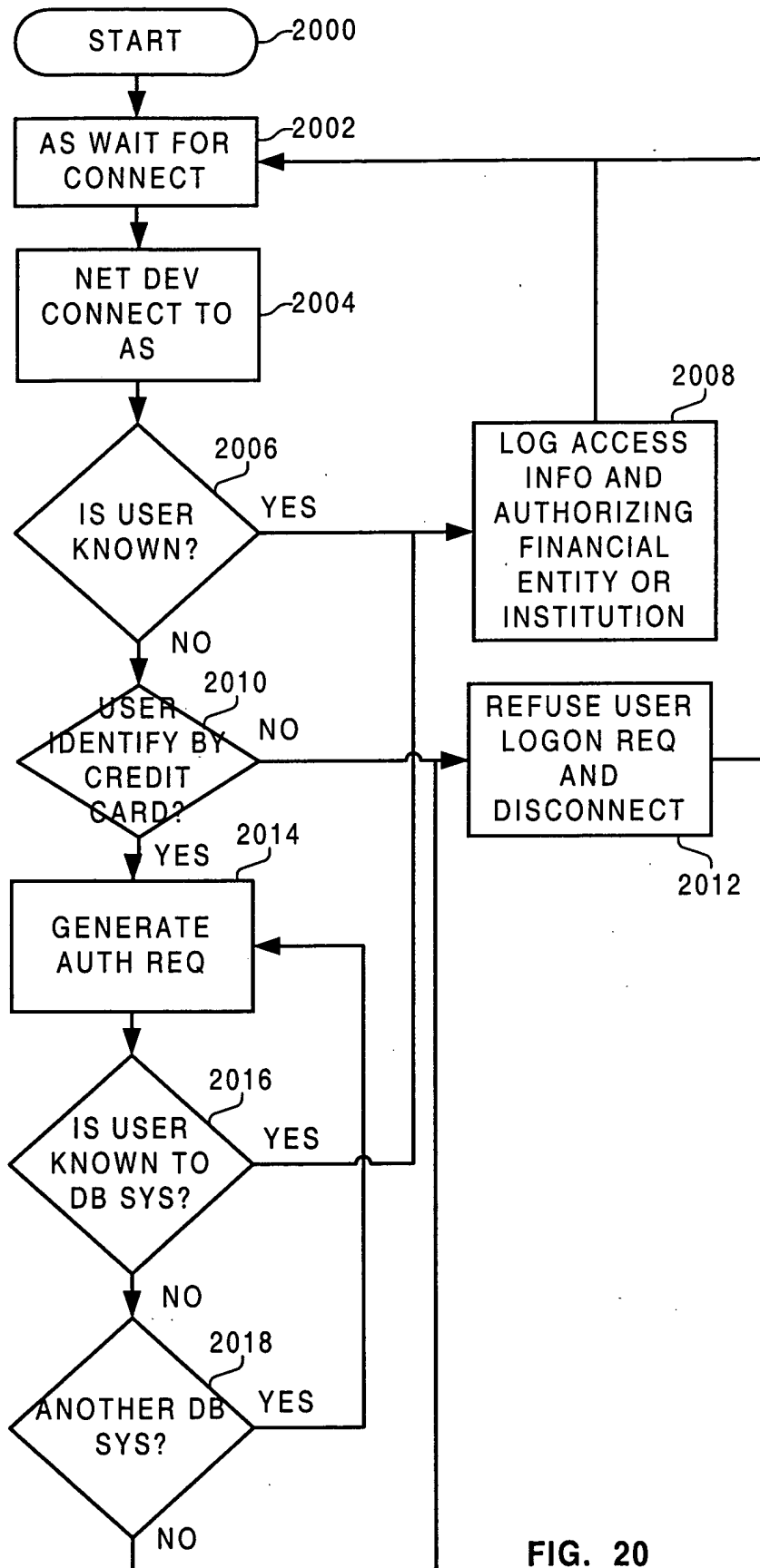


FIG. 20

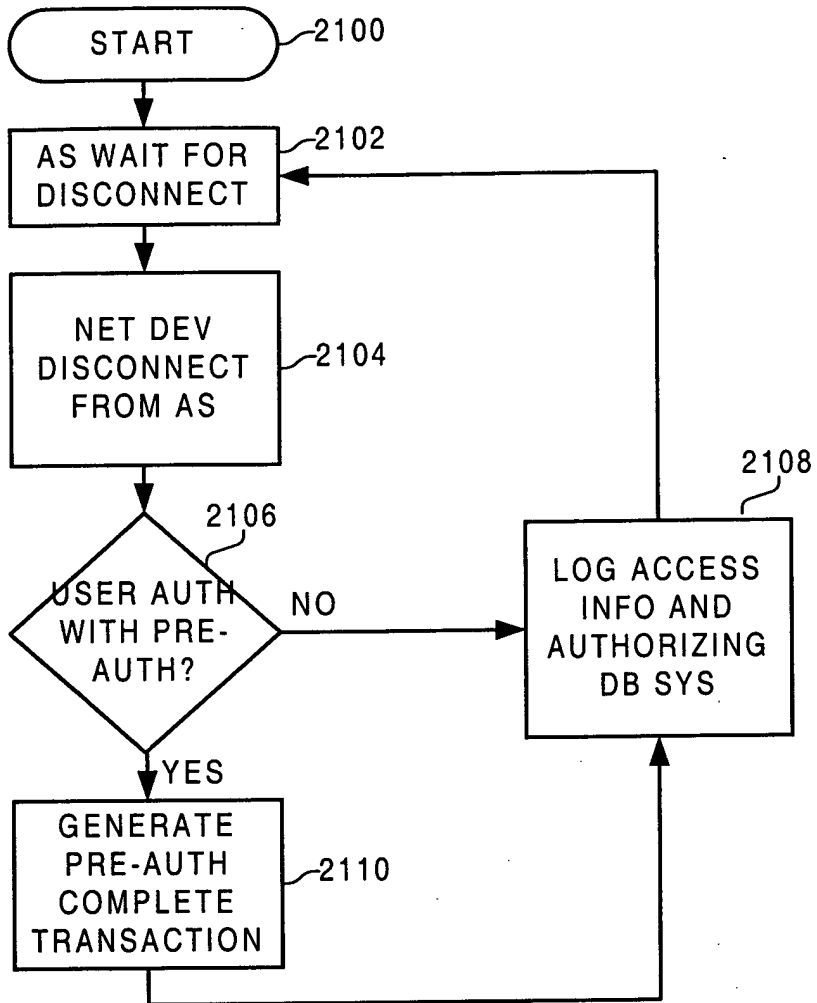


FIG. 21

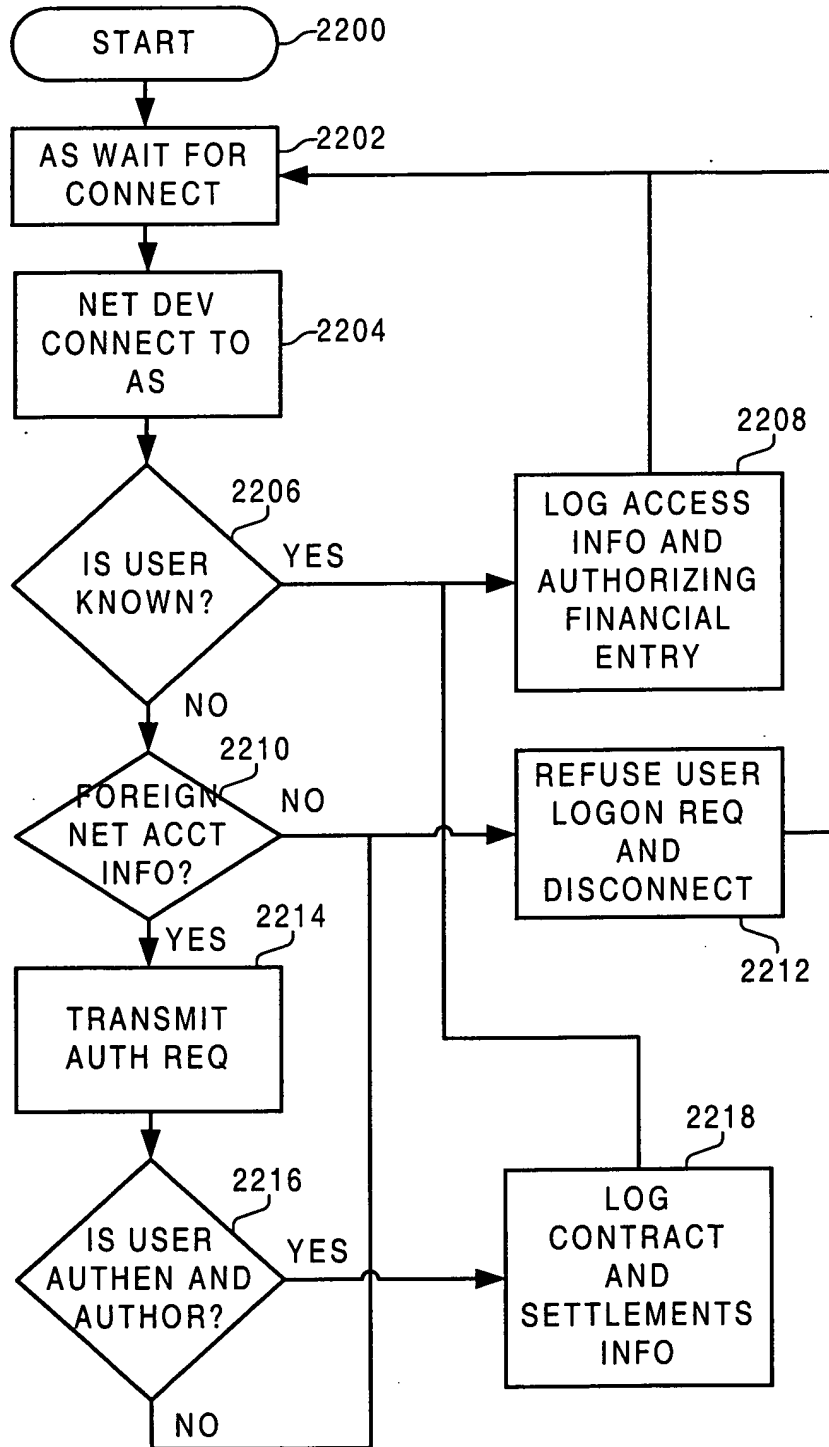


FIG. 22

2025 RELEASE UNDER E.O. 14176

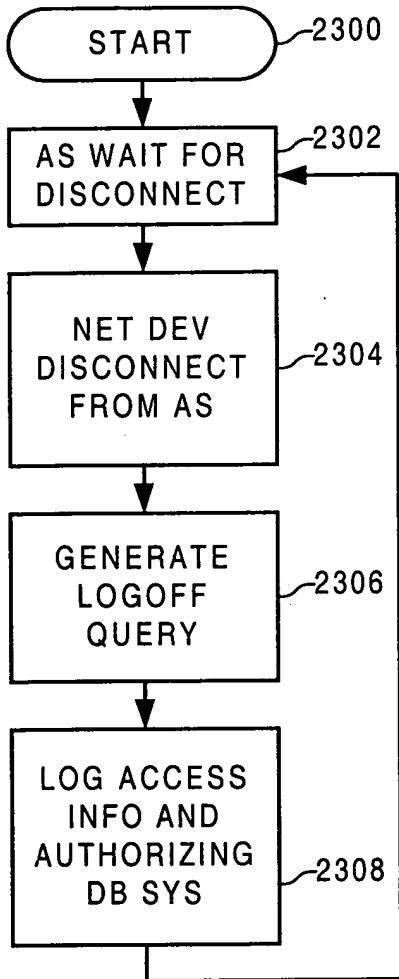


FIG. 23

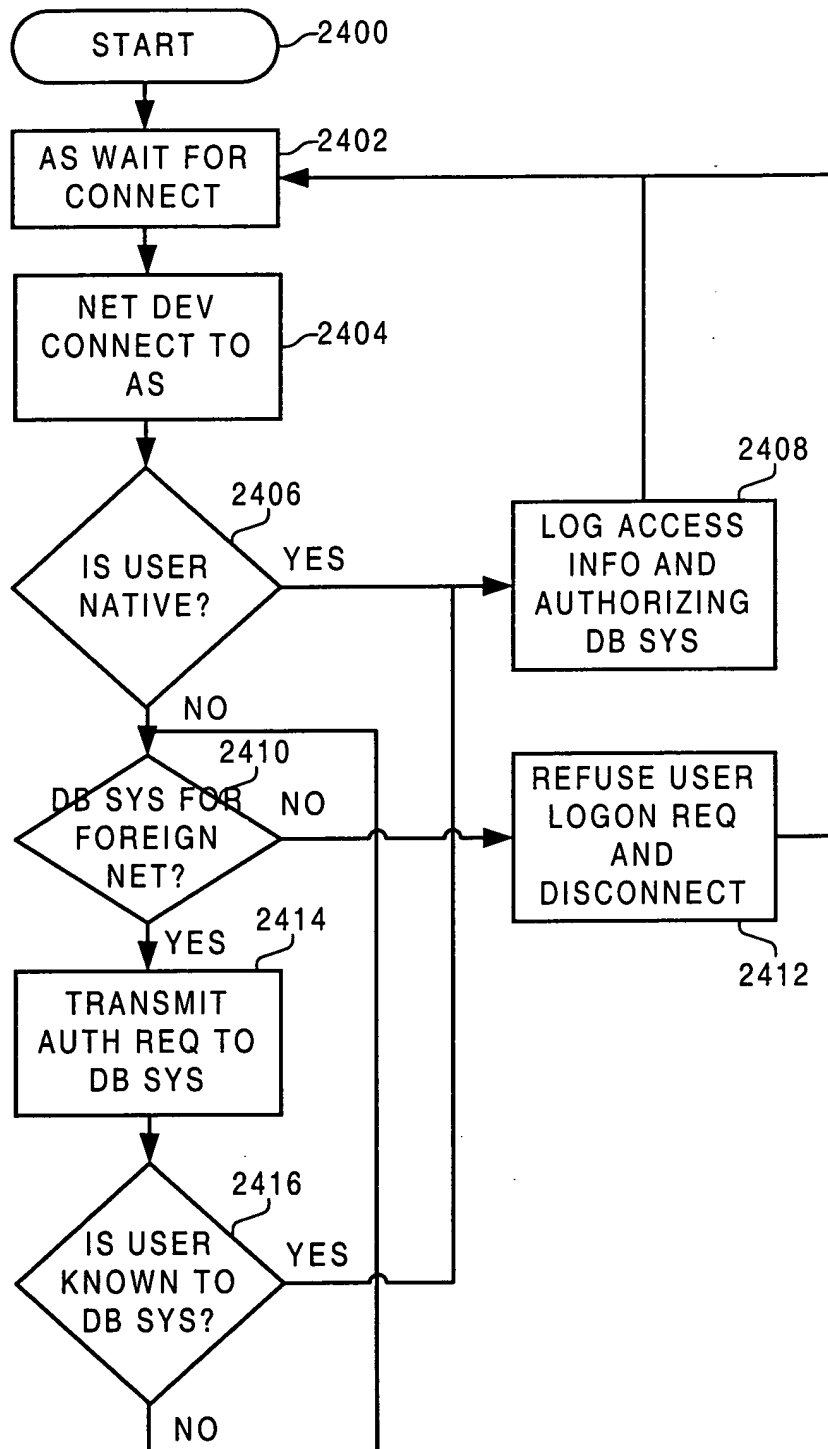


FIG. 24

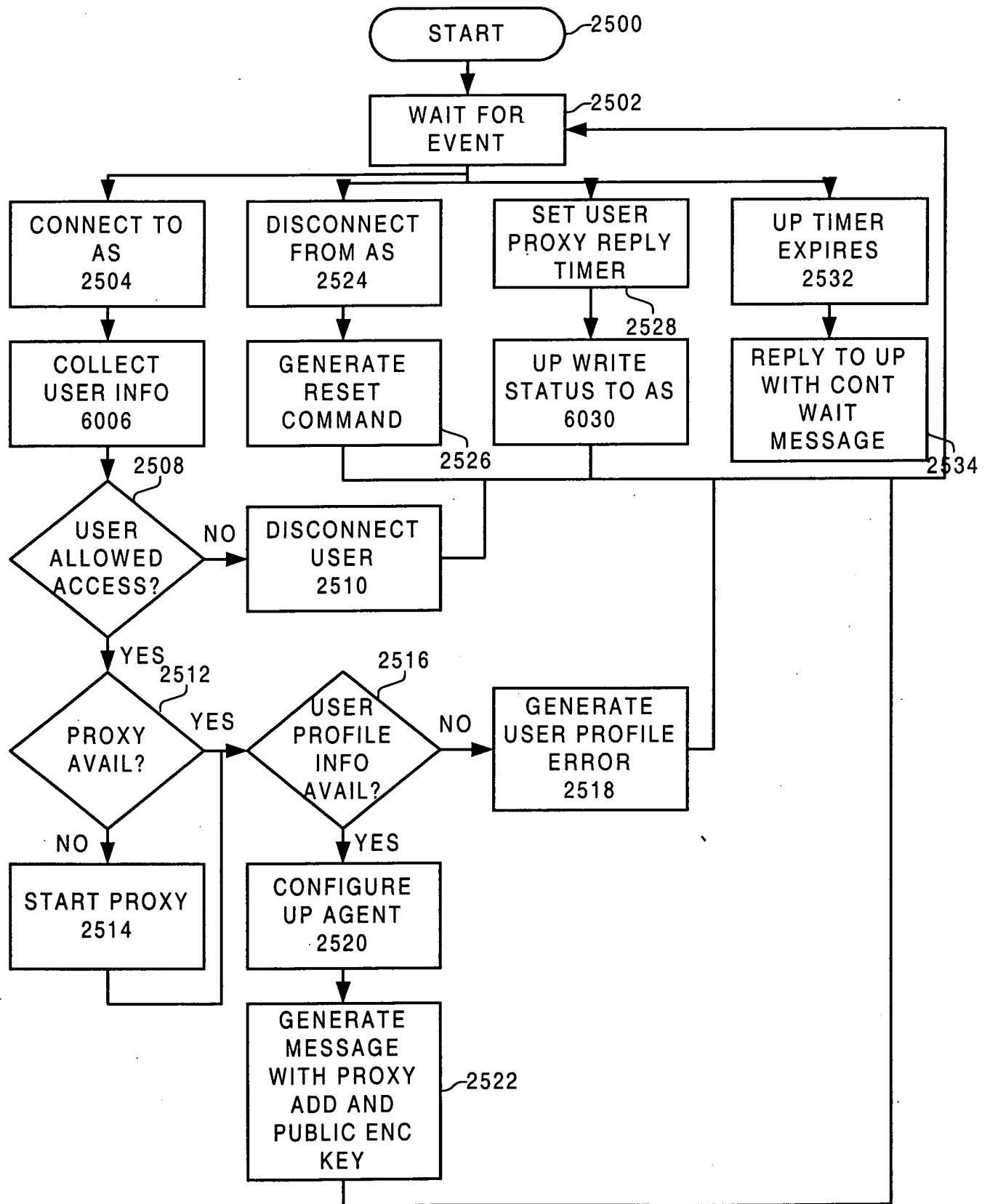


FIG. 25

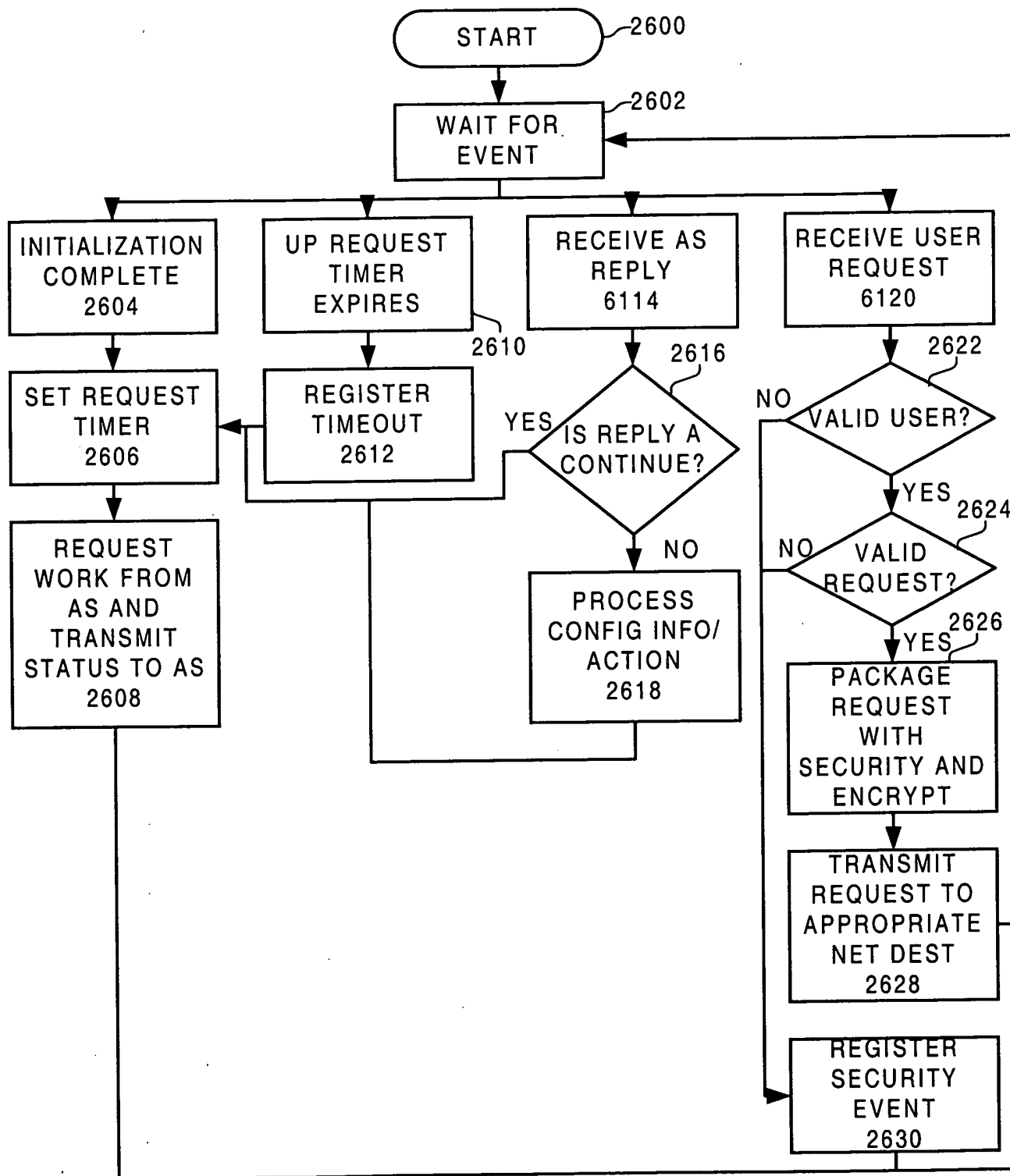


FIG. 26

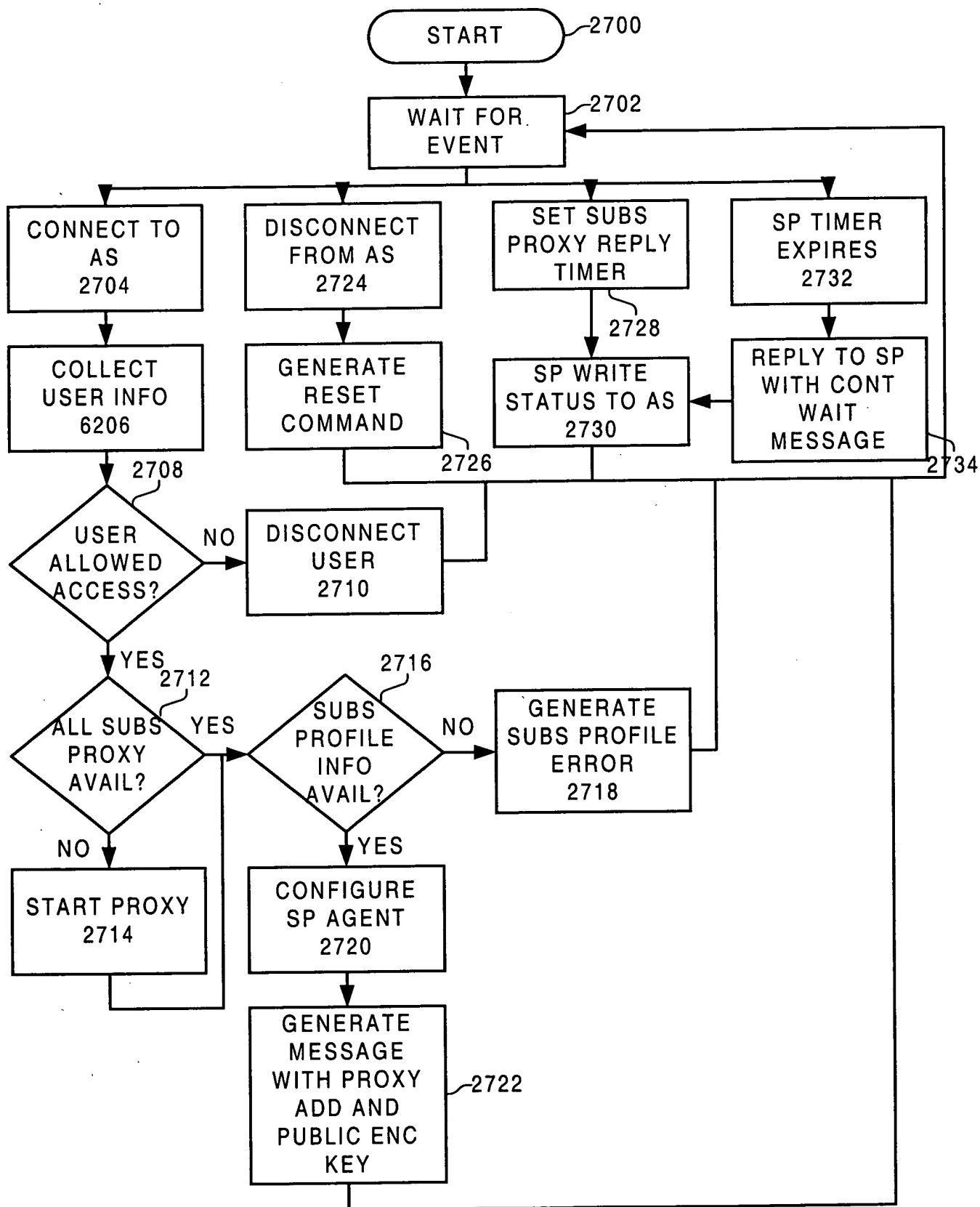


FIG. 27

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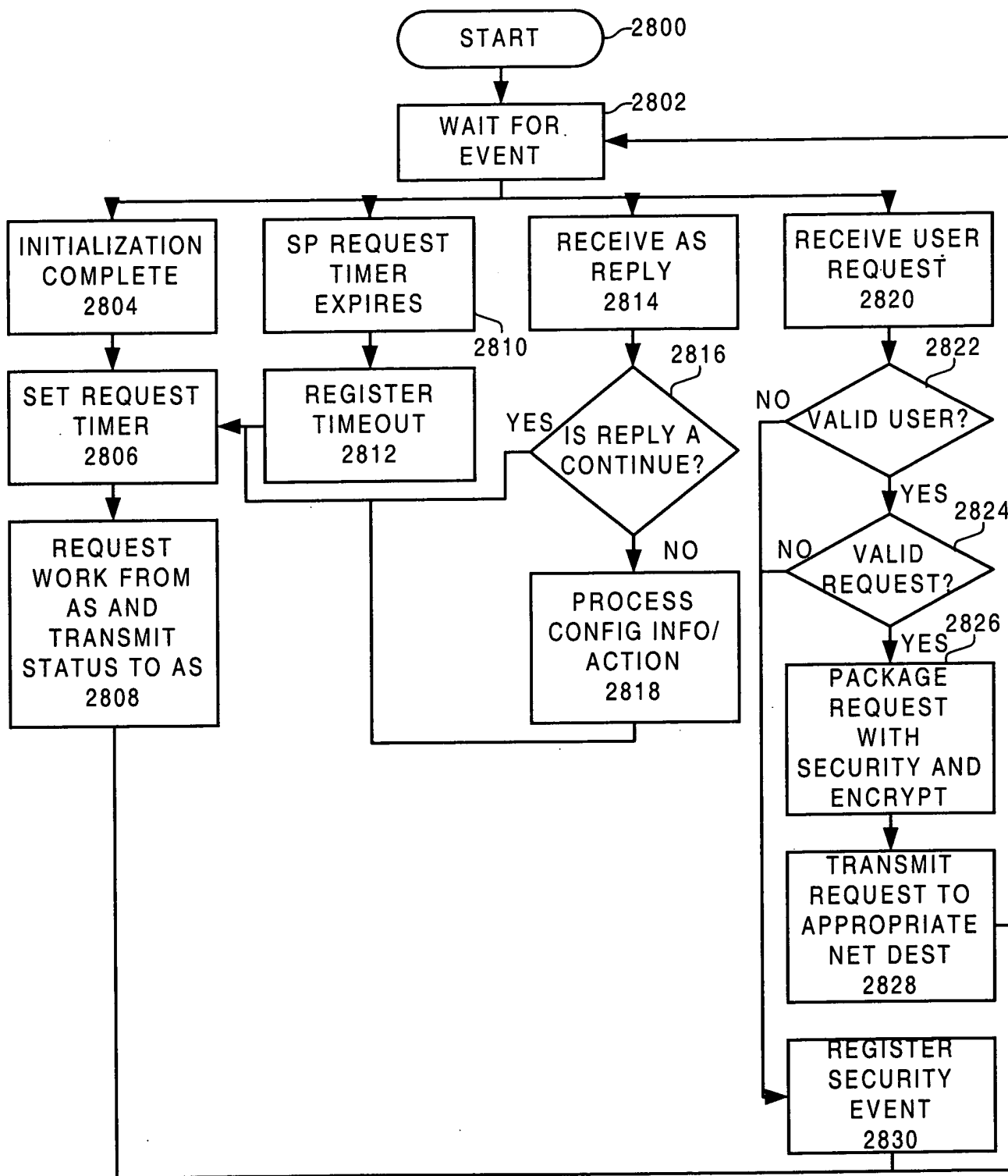


FIG. 28

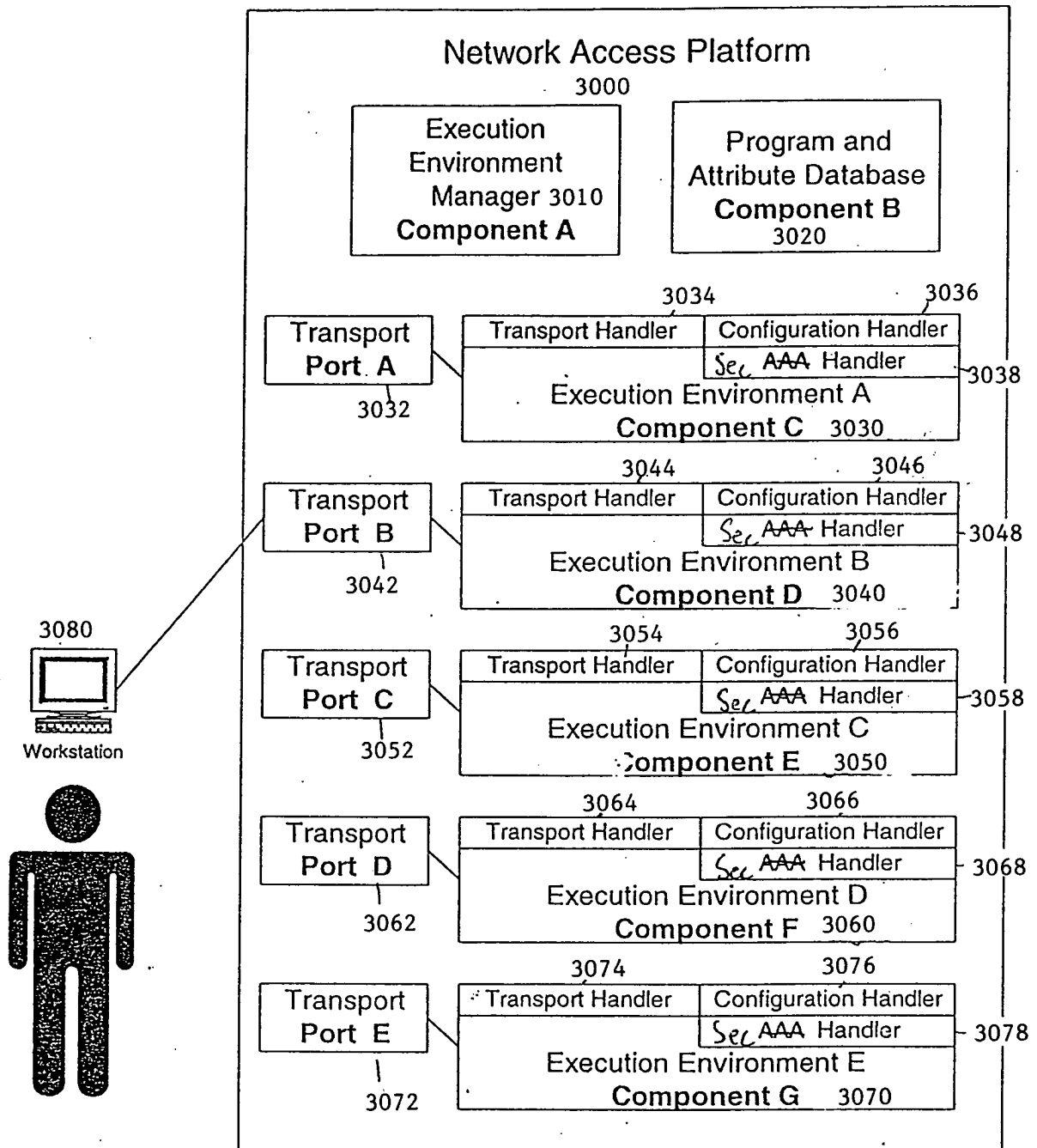


FIGURE 30

3100 3102 3104 3106 3108 3110 3112 3114 3116 3118 3120 3122 3124 3126 3128 3130 3132 3134 3136 3138 3140

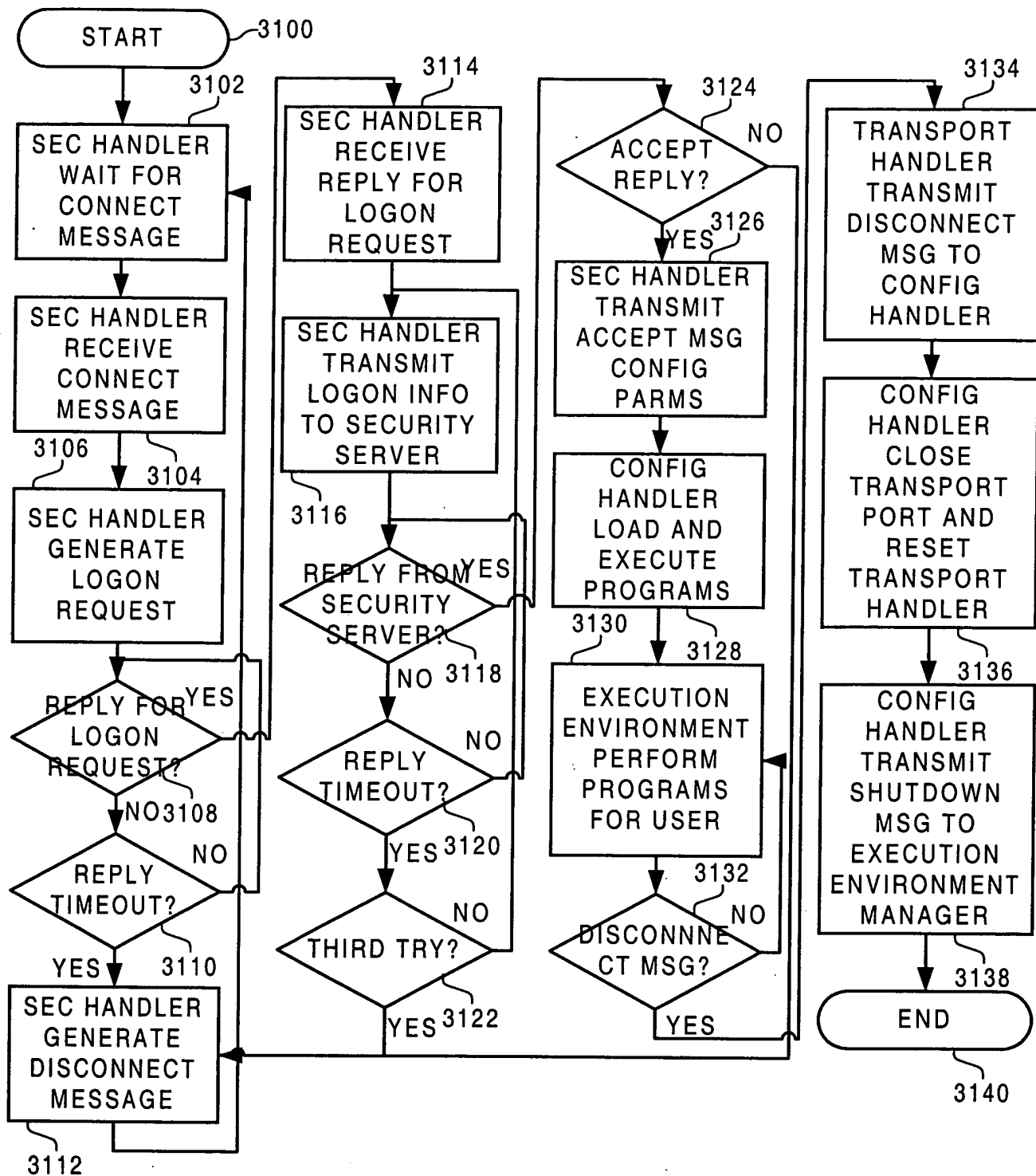


FIG. 31

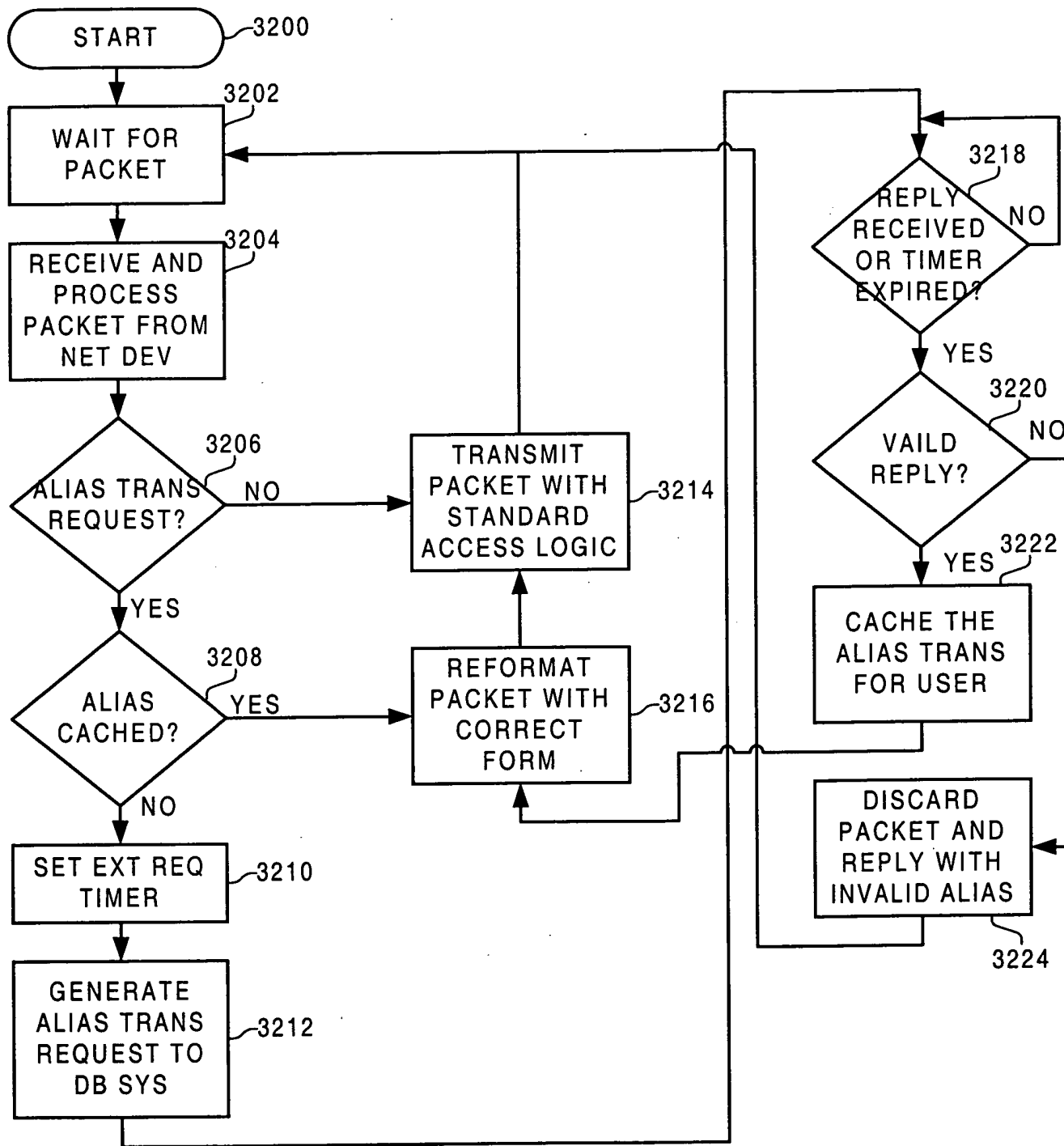


FIG. 32

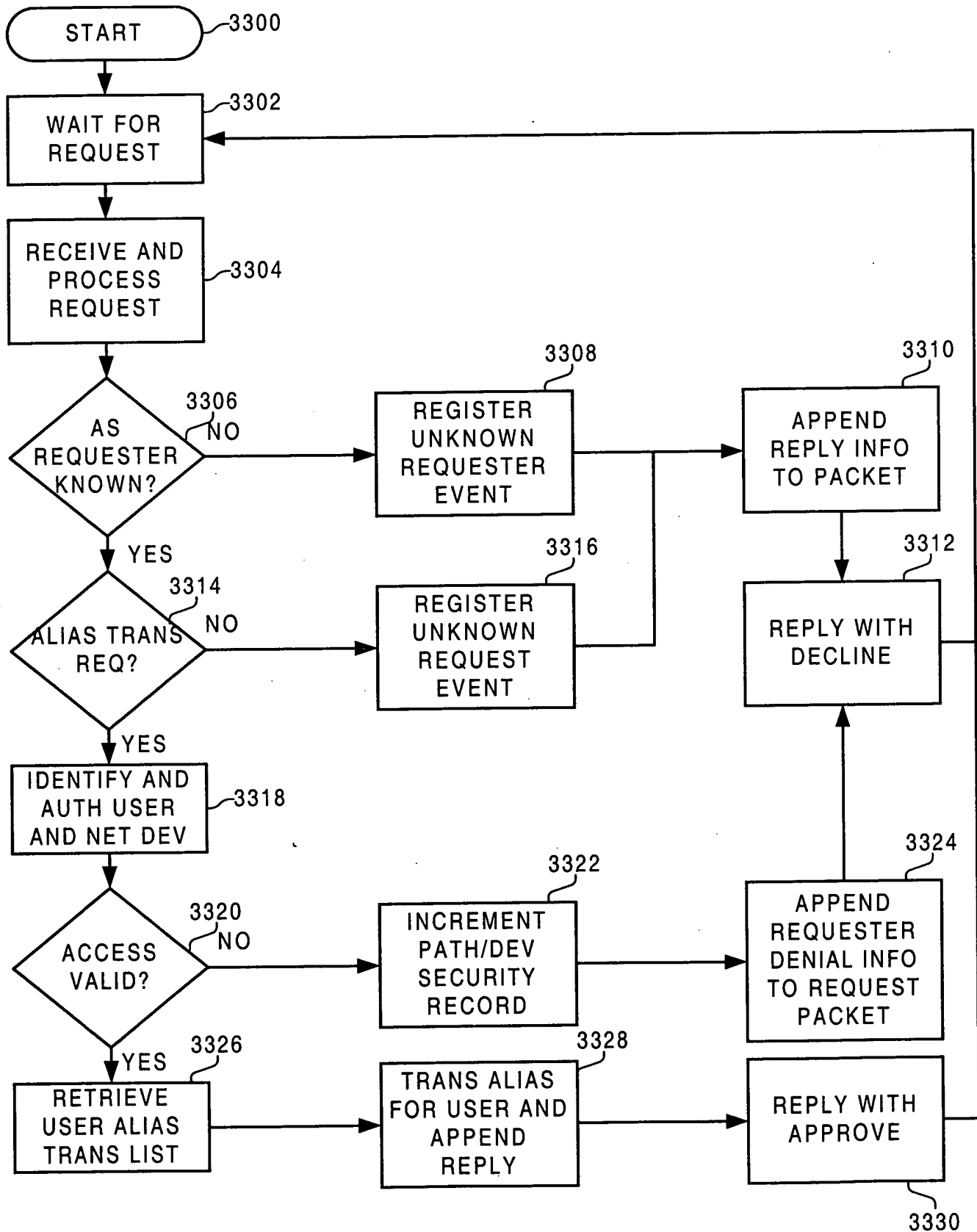


FIG. 33

3400 3402 3404 3406 3408 3410 3412 3414 3416 3418 3420 3422 3424

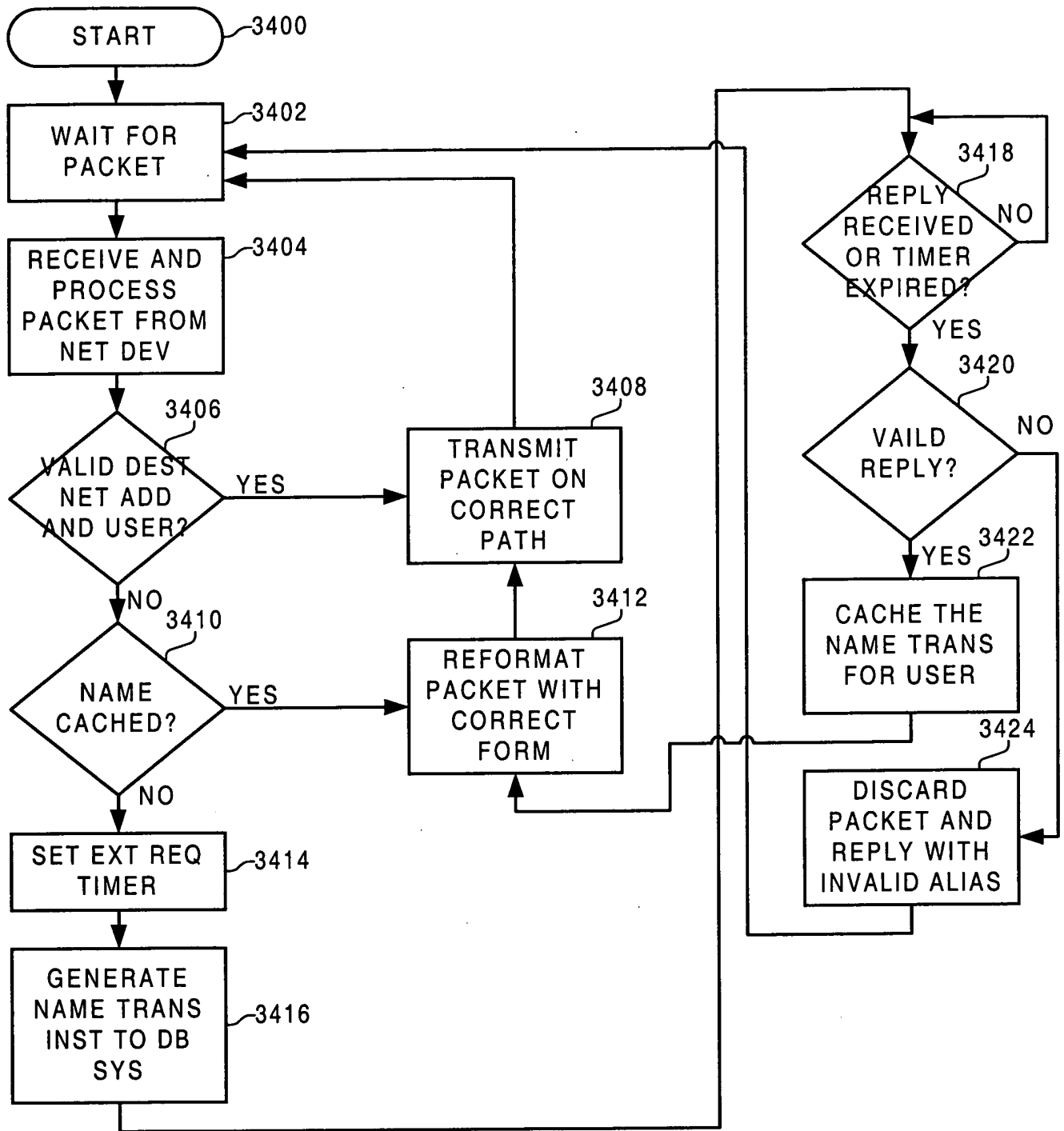


FIG. 34

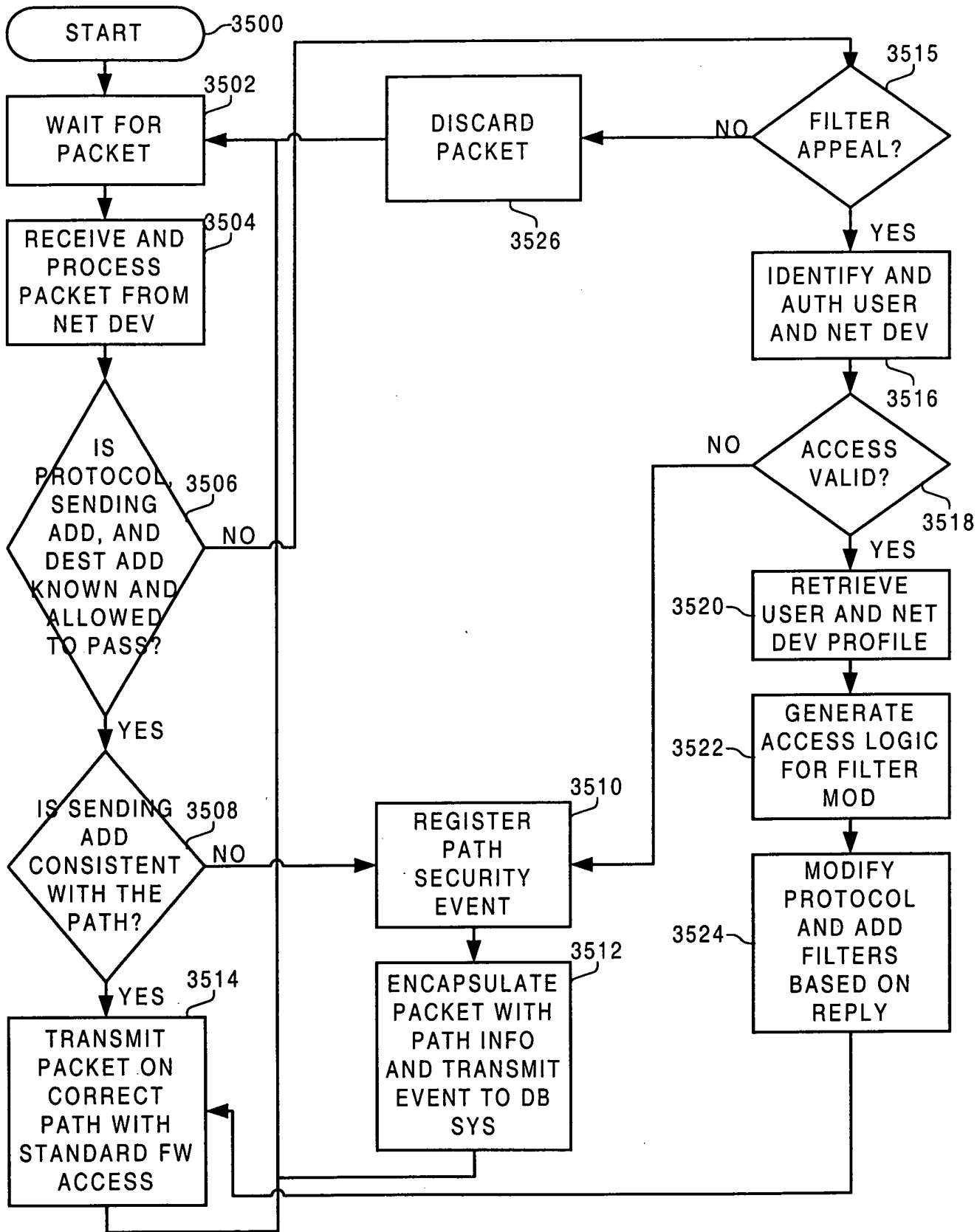


FIG. 35

FIG. 36

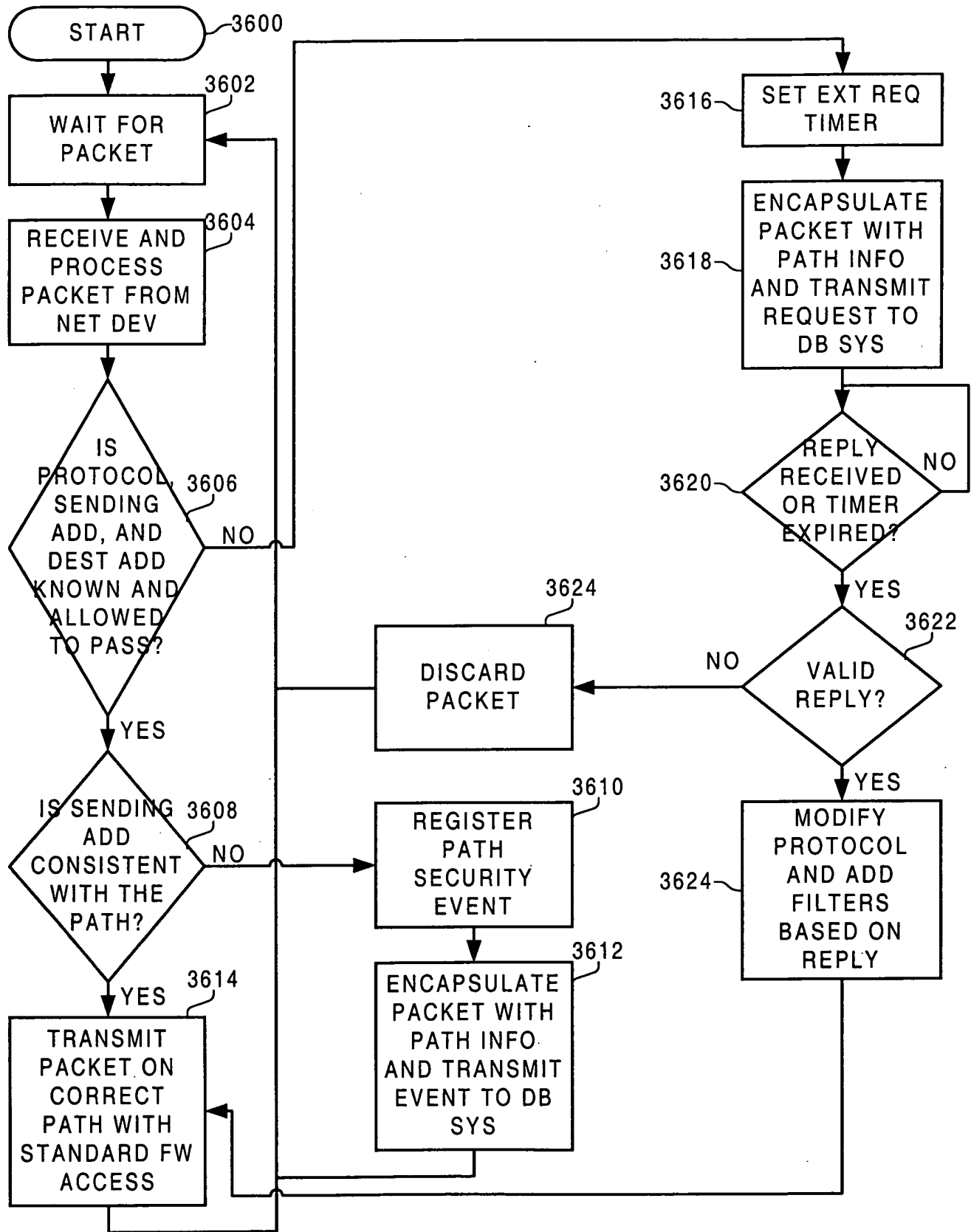


FIG. 36

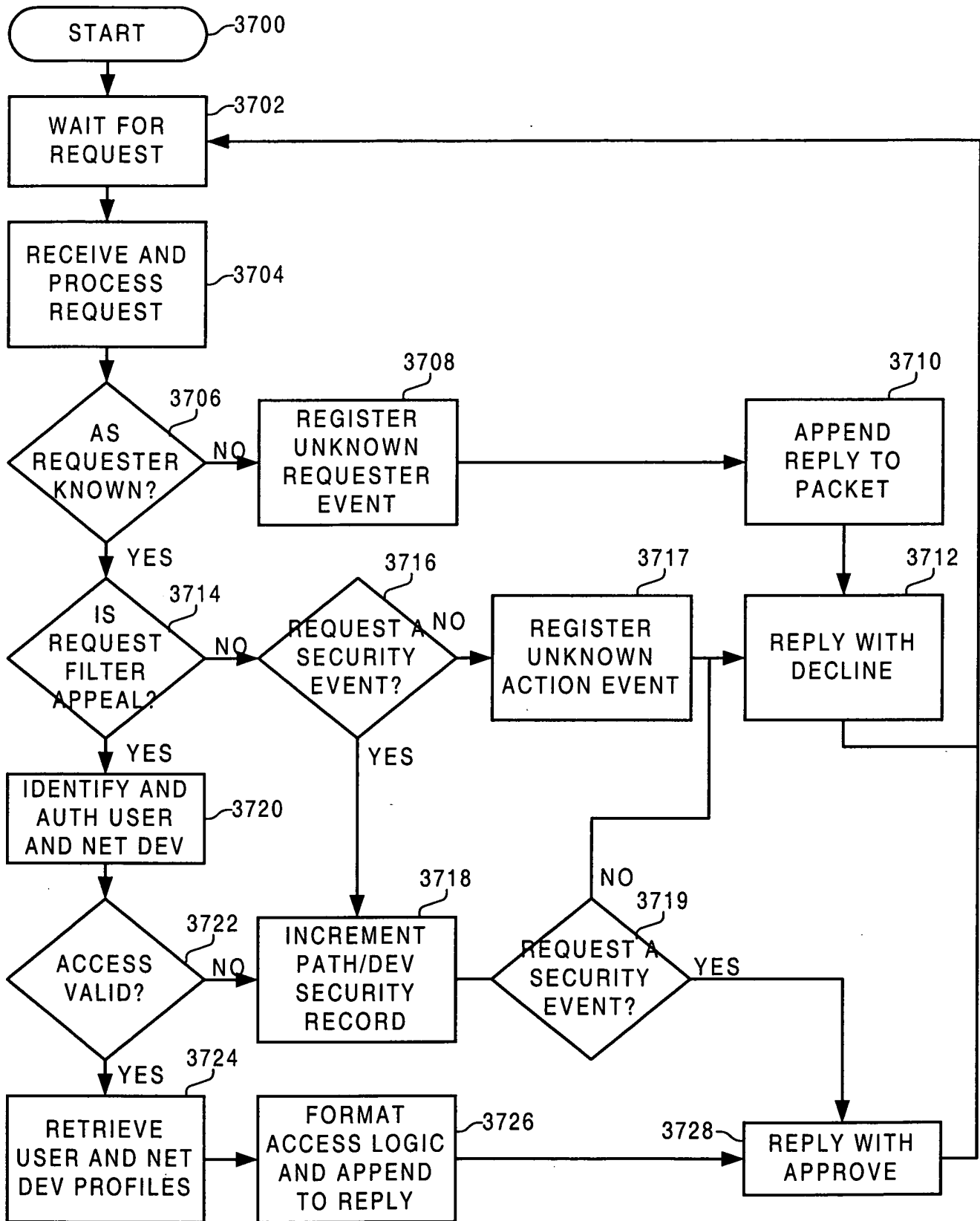


FIG. 37

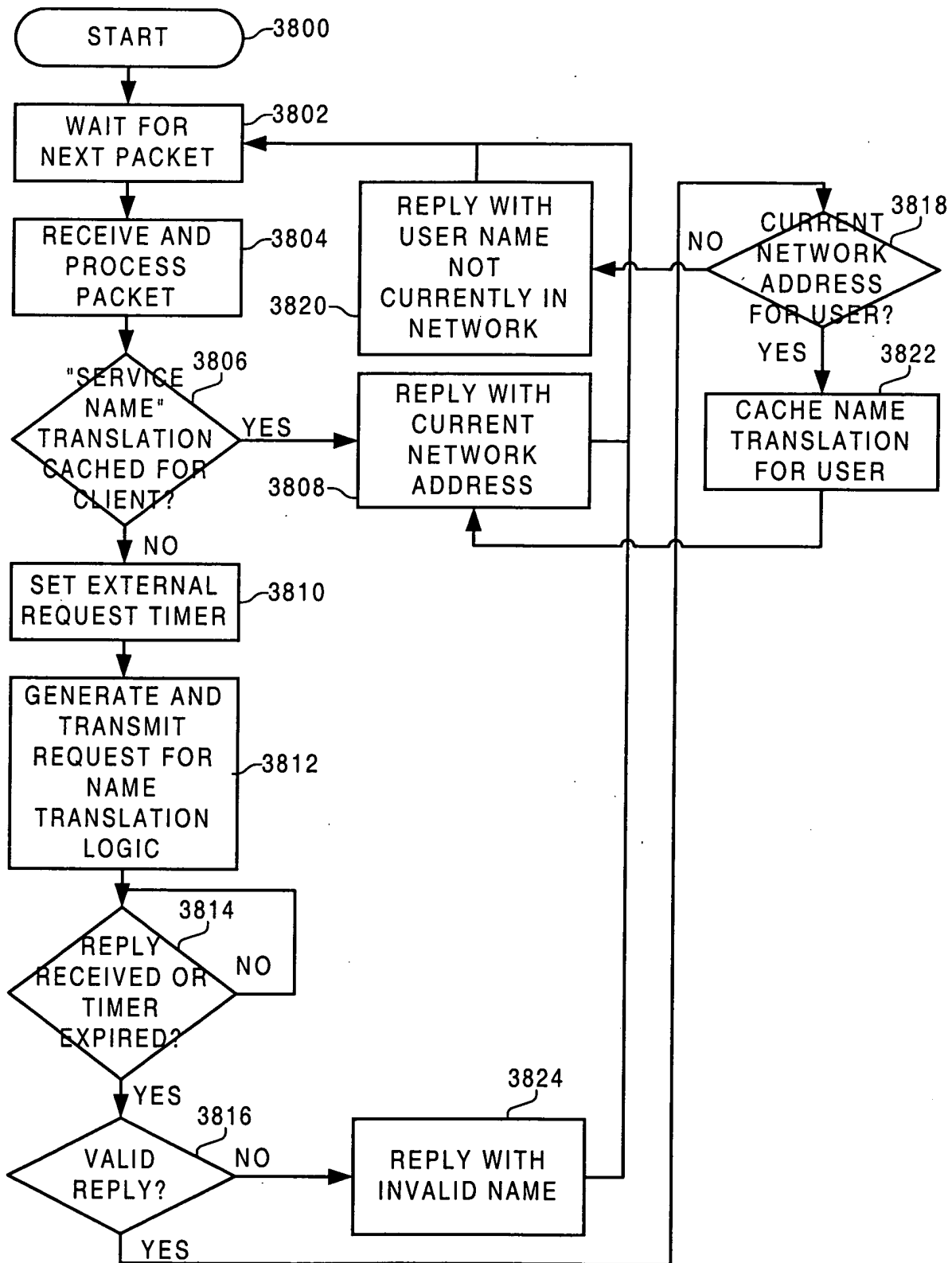


FIG. 38

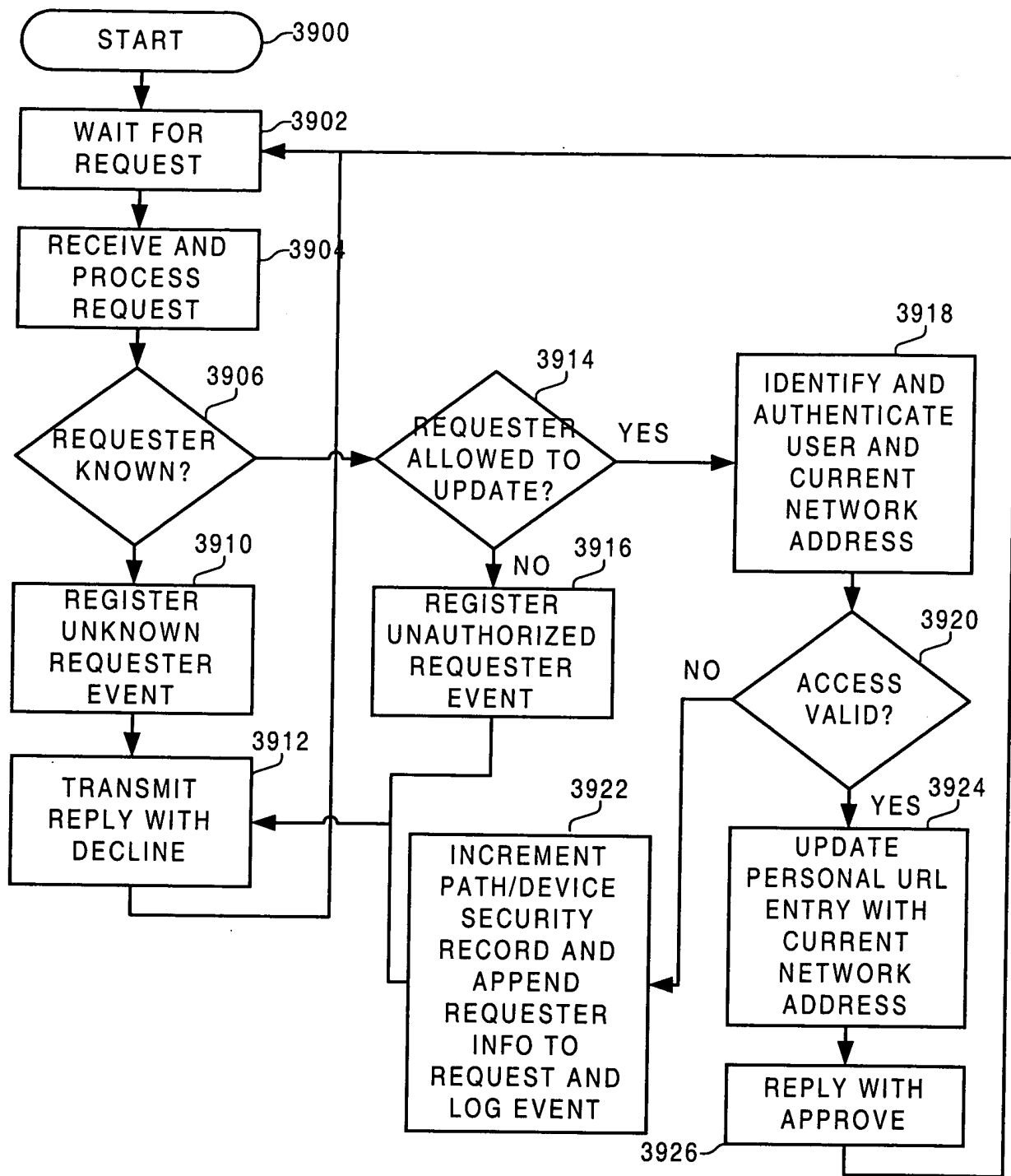


FIG. 39

03/12/2013 10:23:13

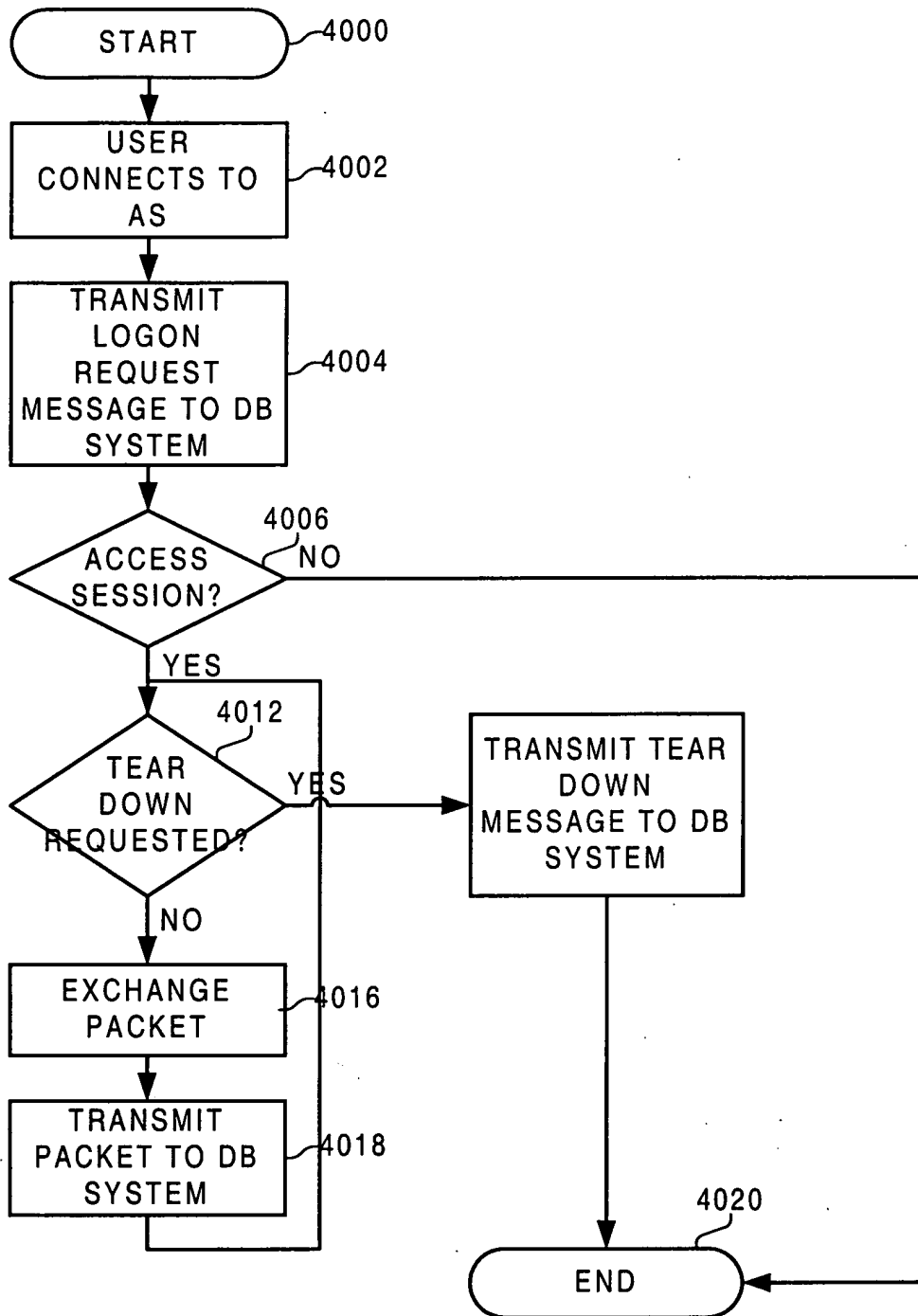


FIG. 40

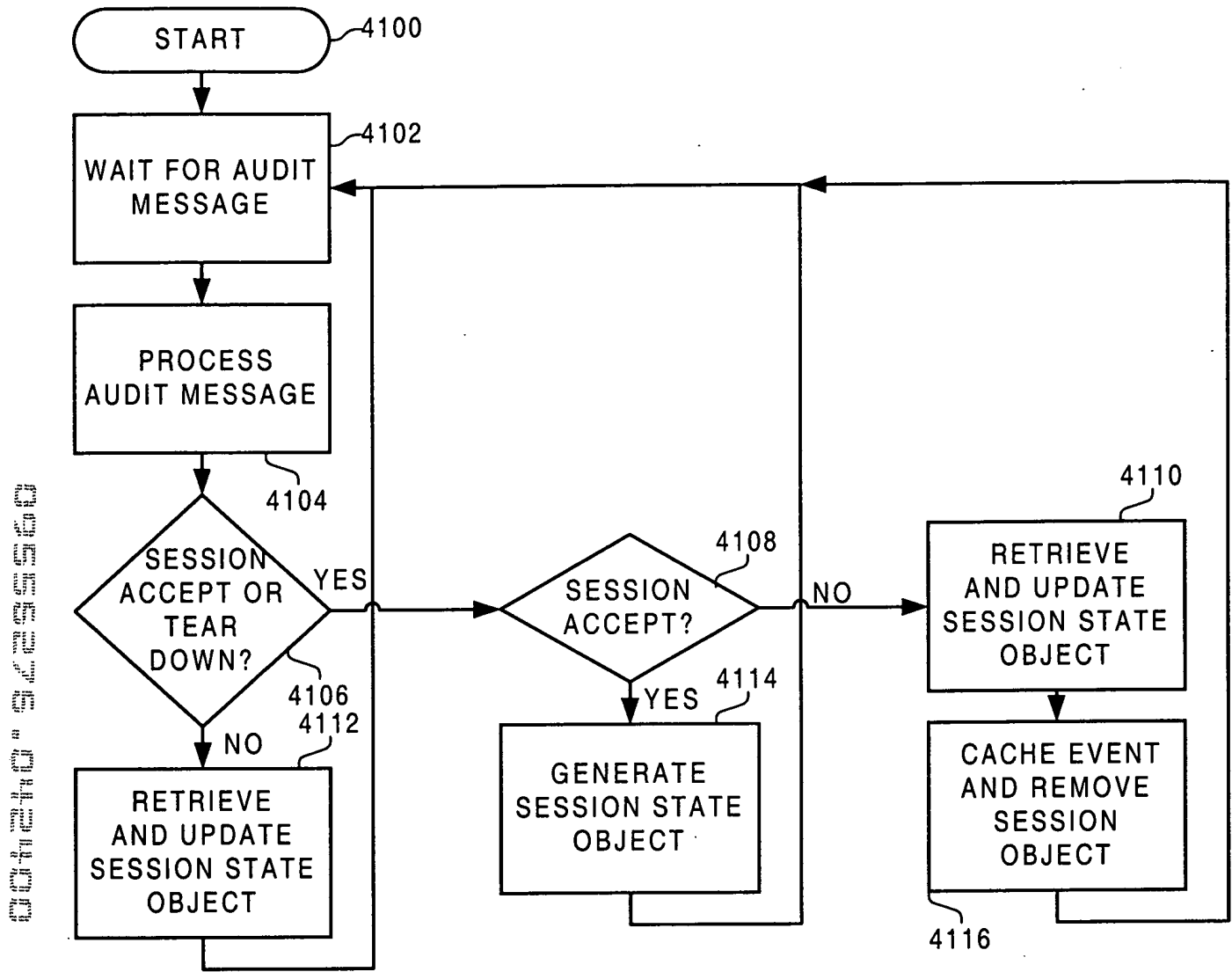


FIG. 41

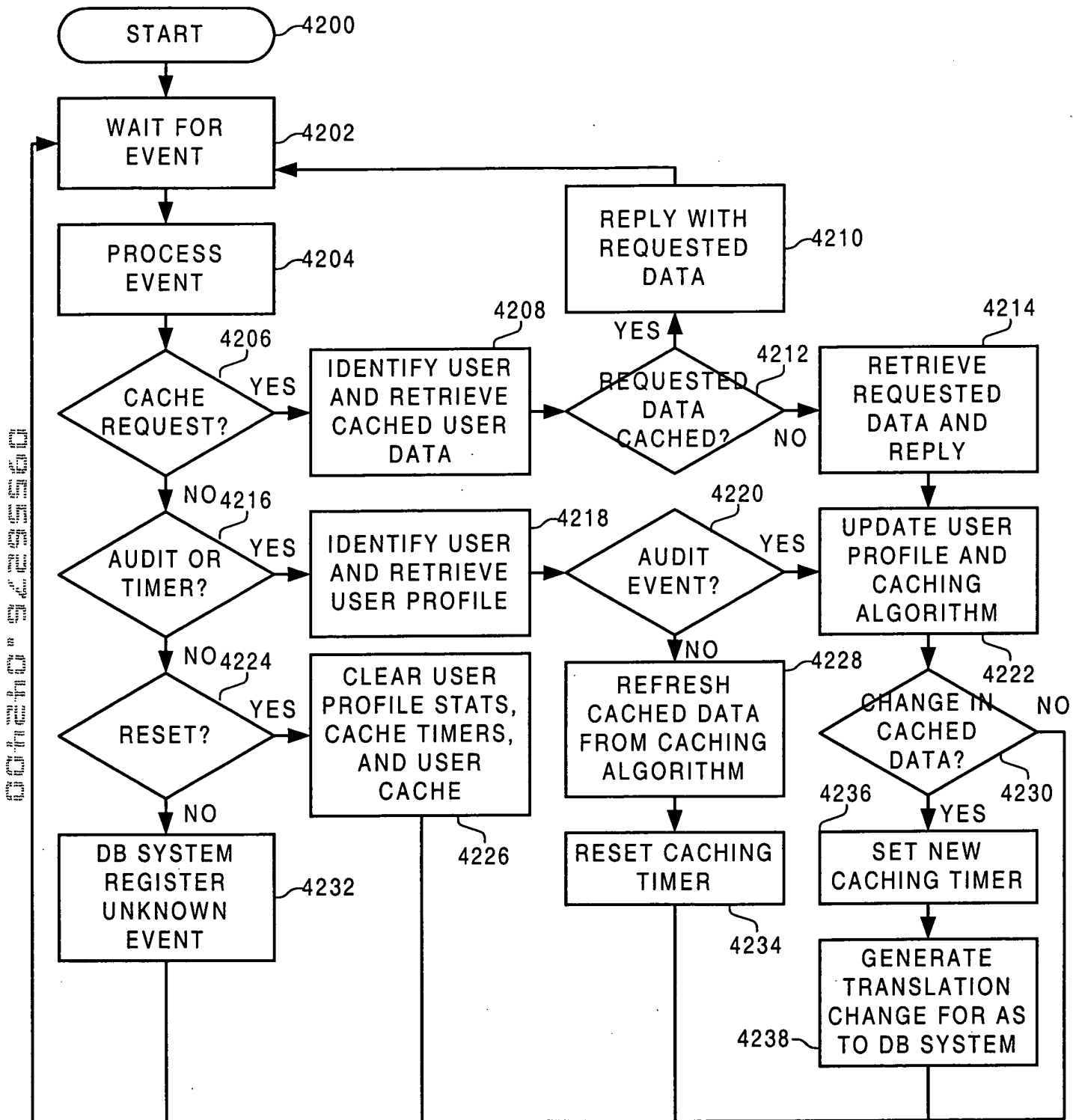


FIG. 42

FIG. 43

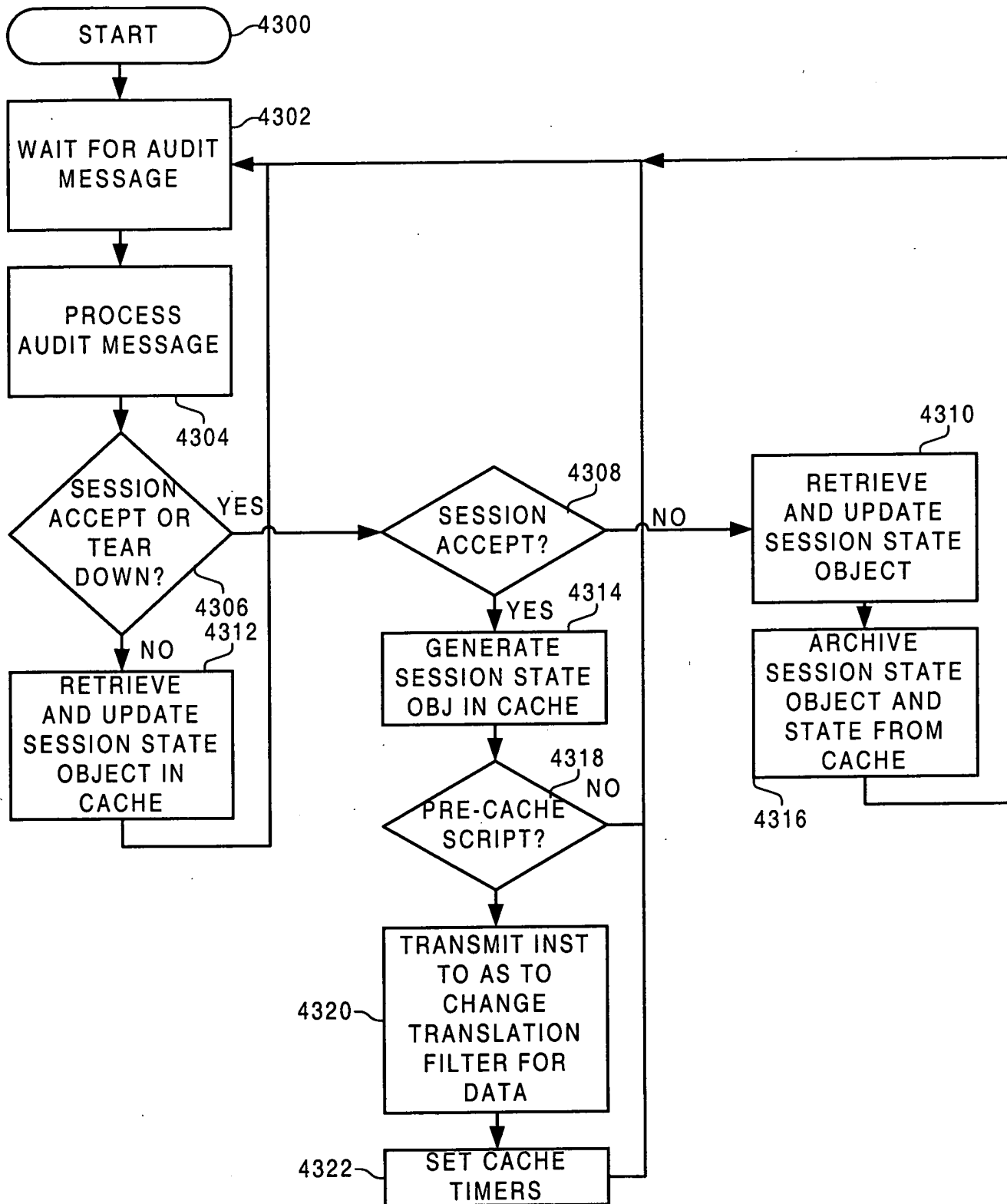


FIG. 43

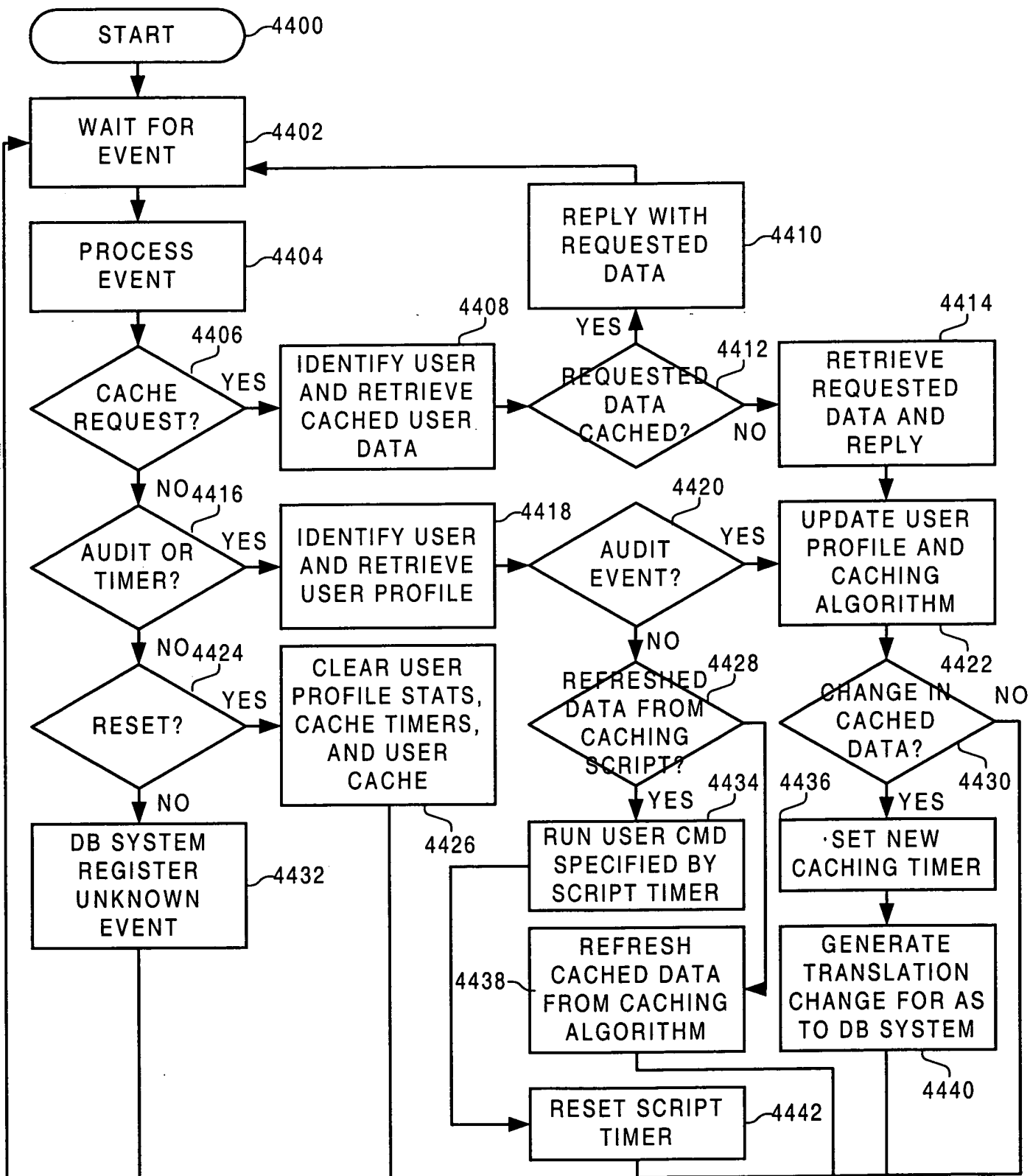


FIG. 44

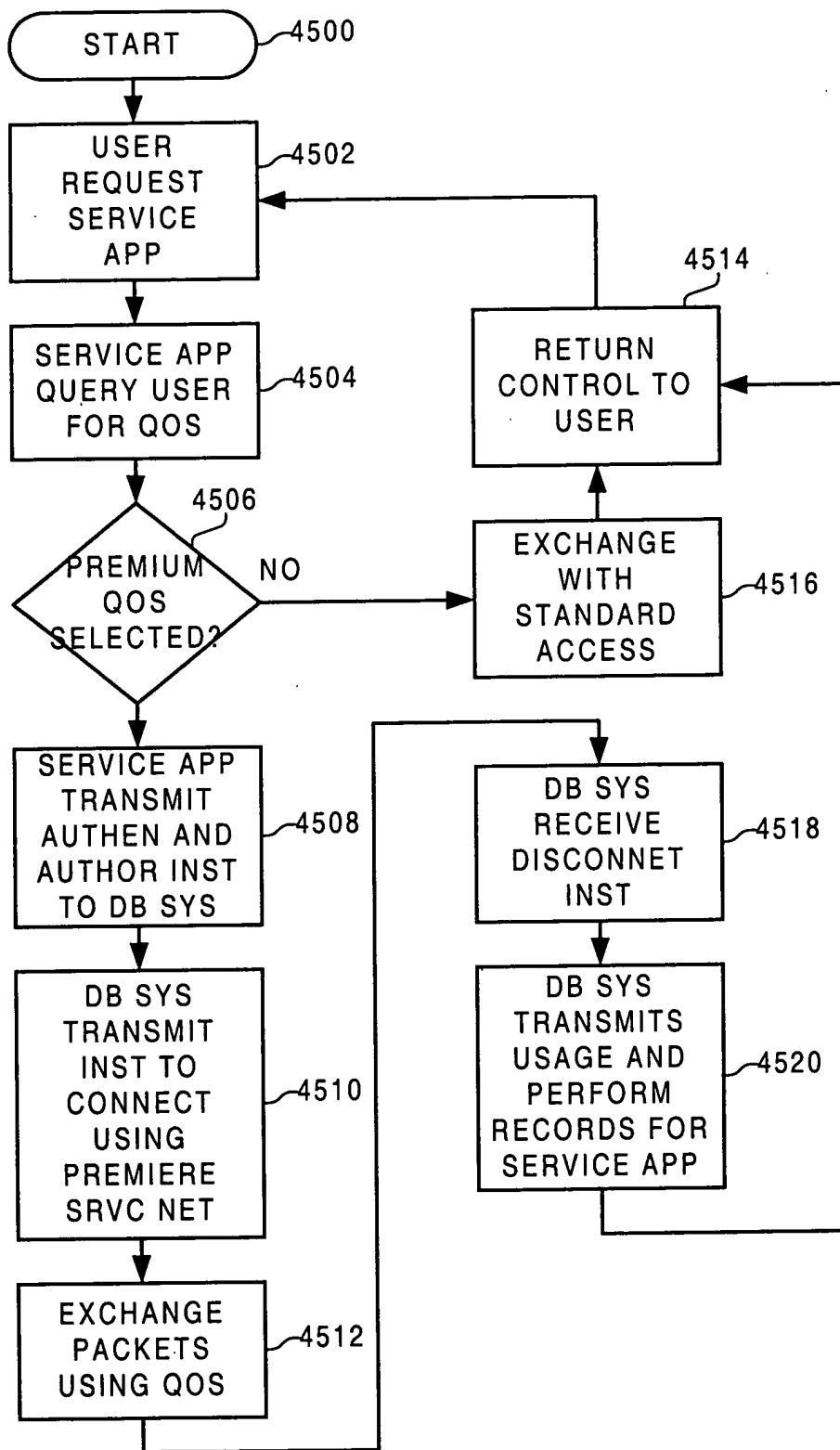


FIG. 45

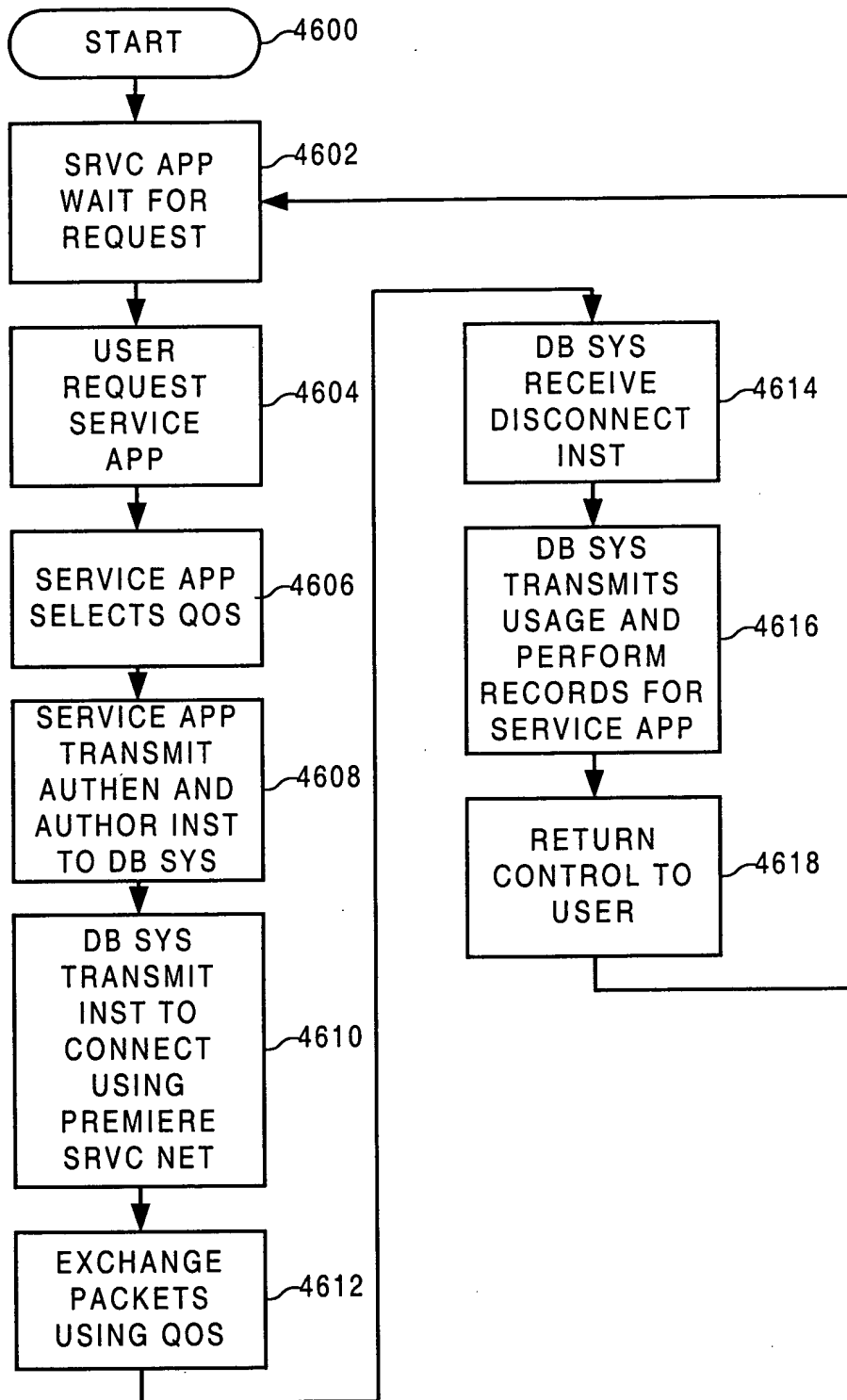


FIG. 46

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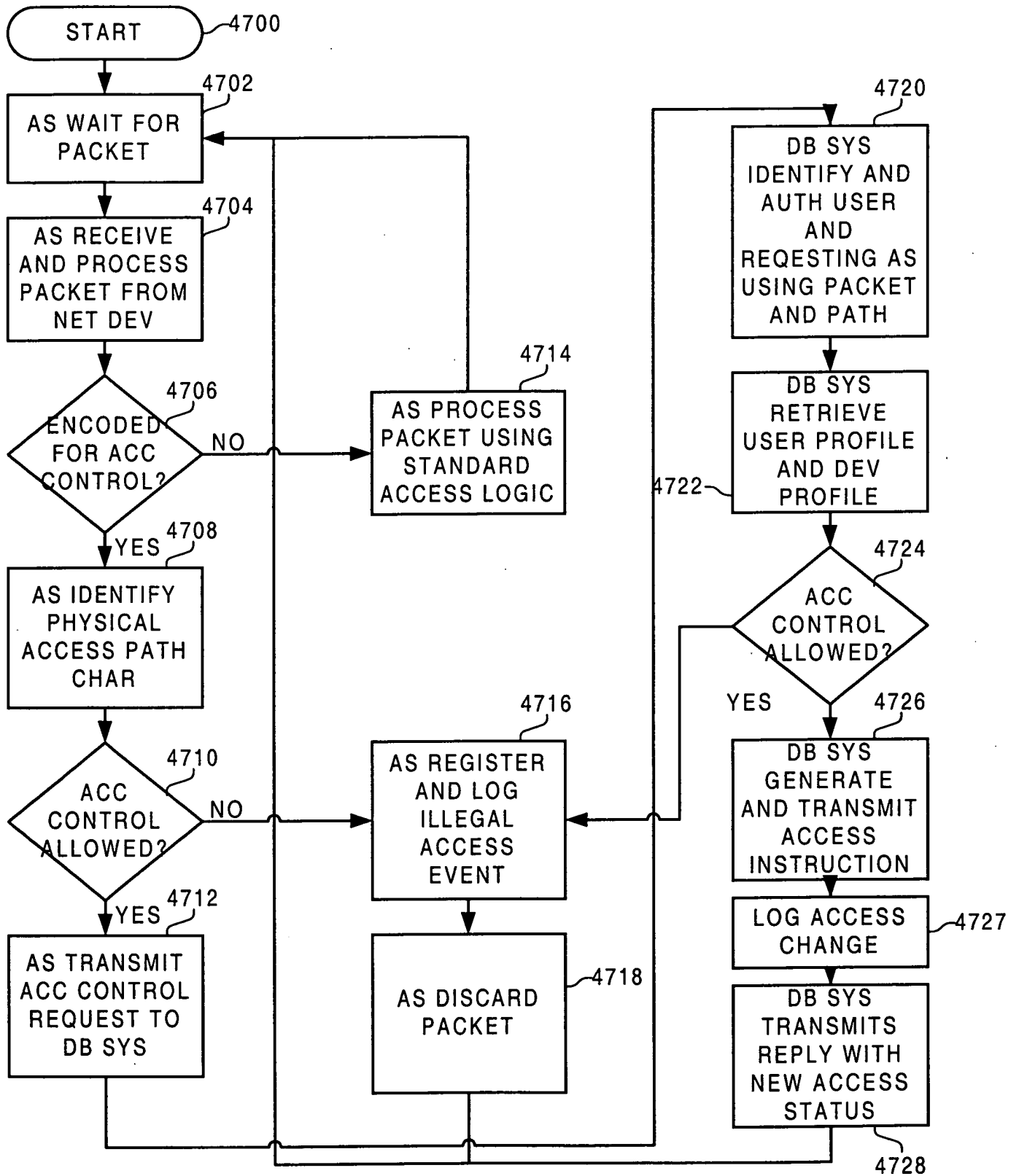


FIG. 47

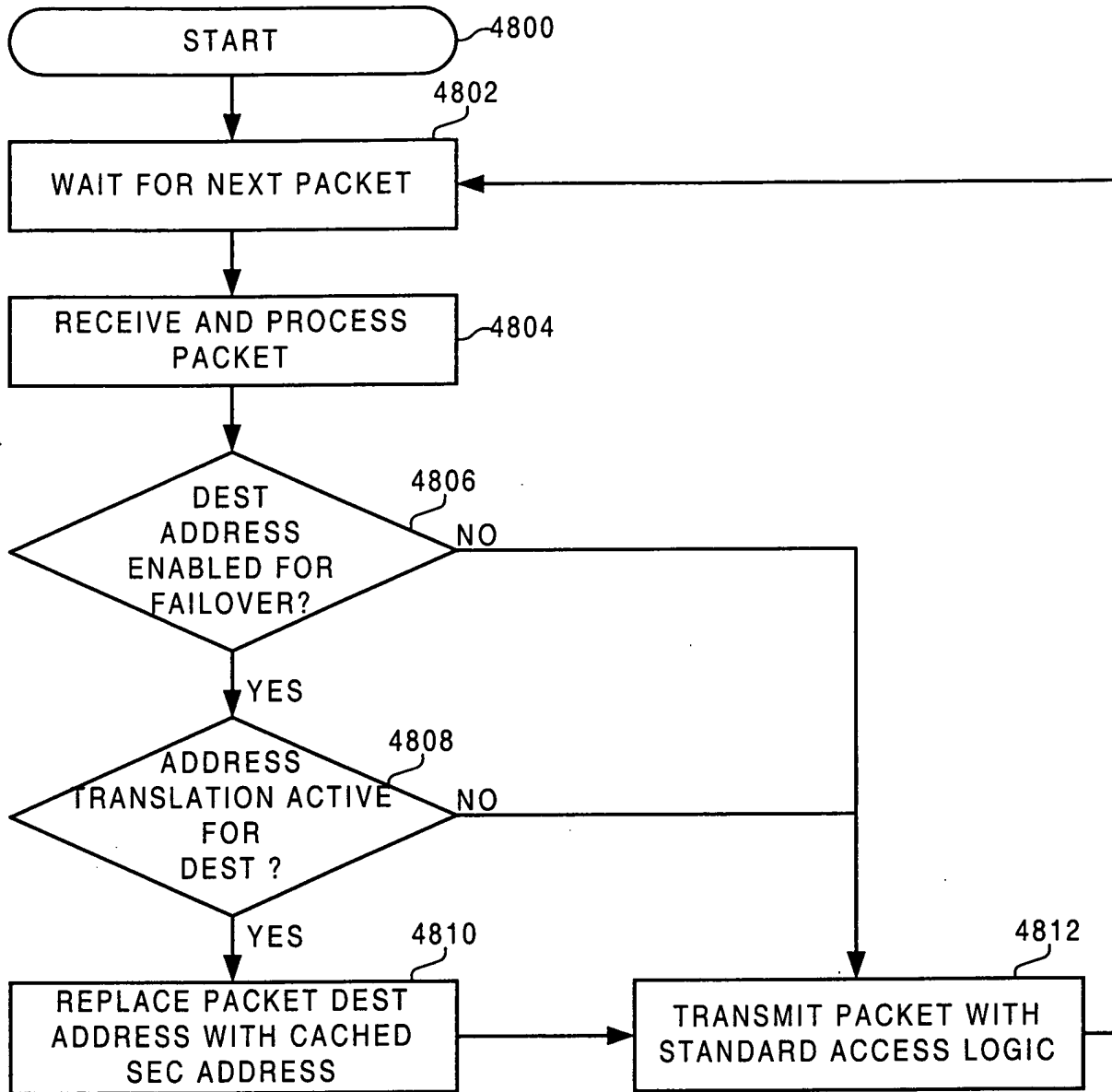


FIG. 48

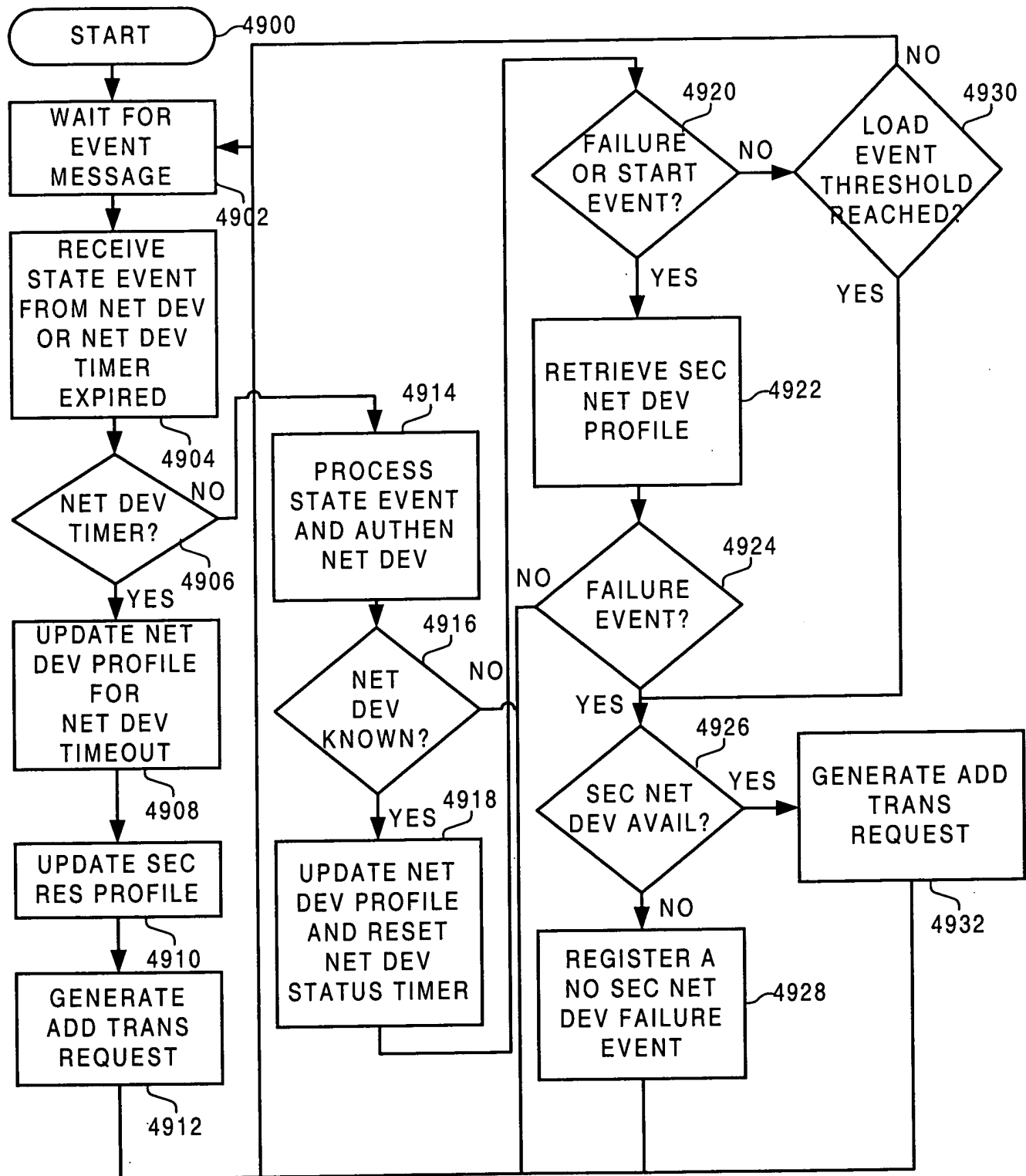


FIG. 49

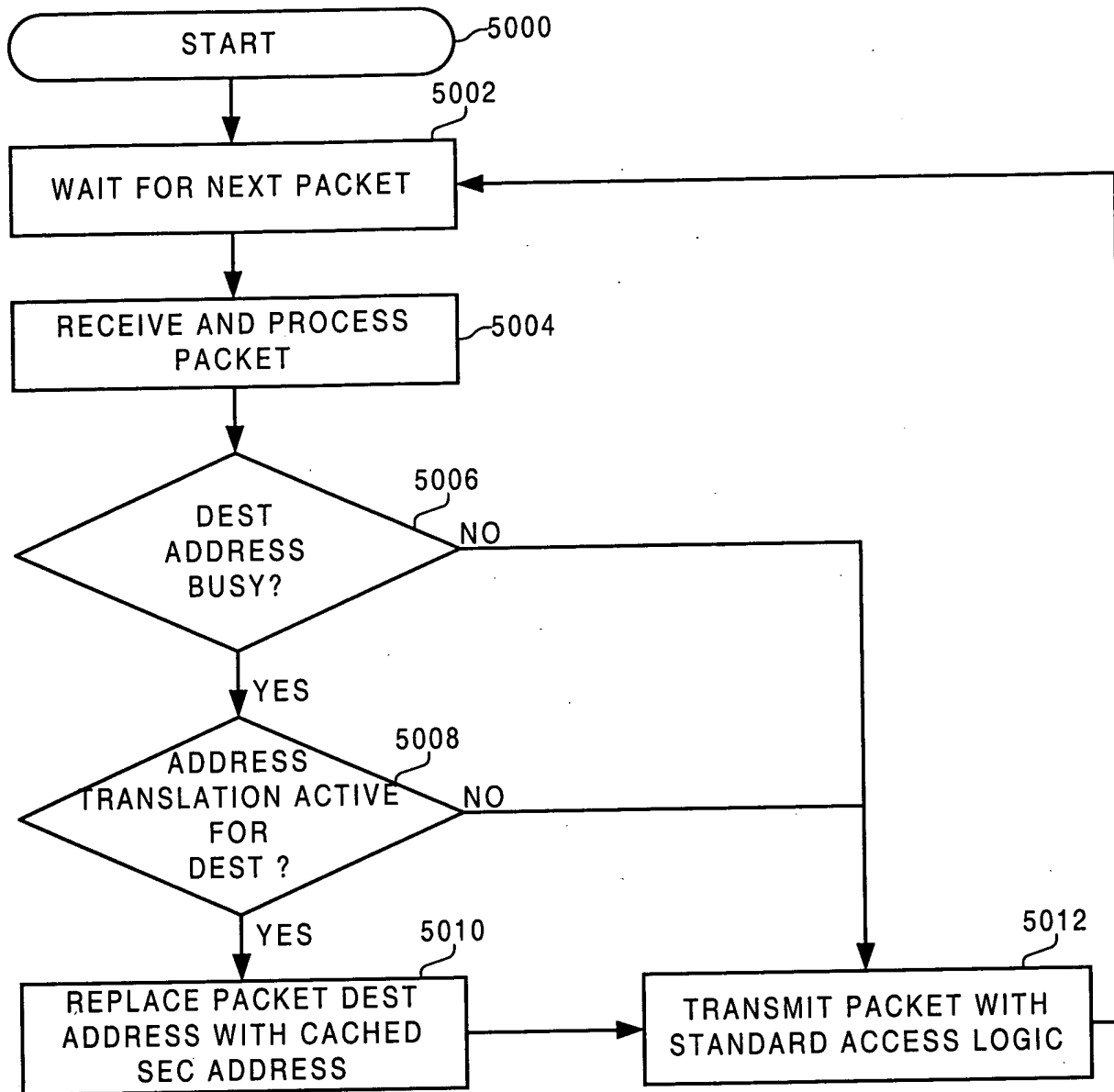


FIG. 50

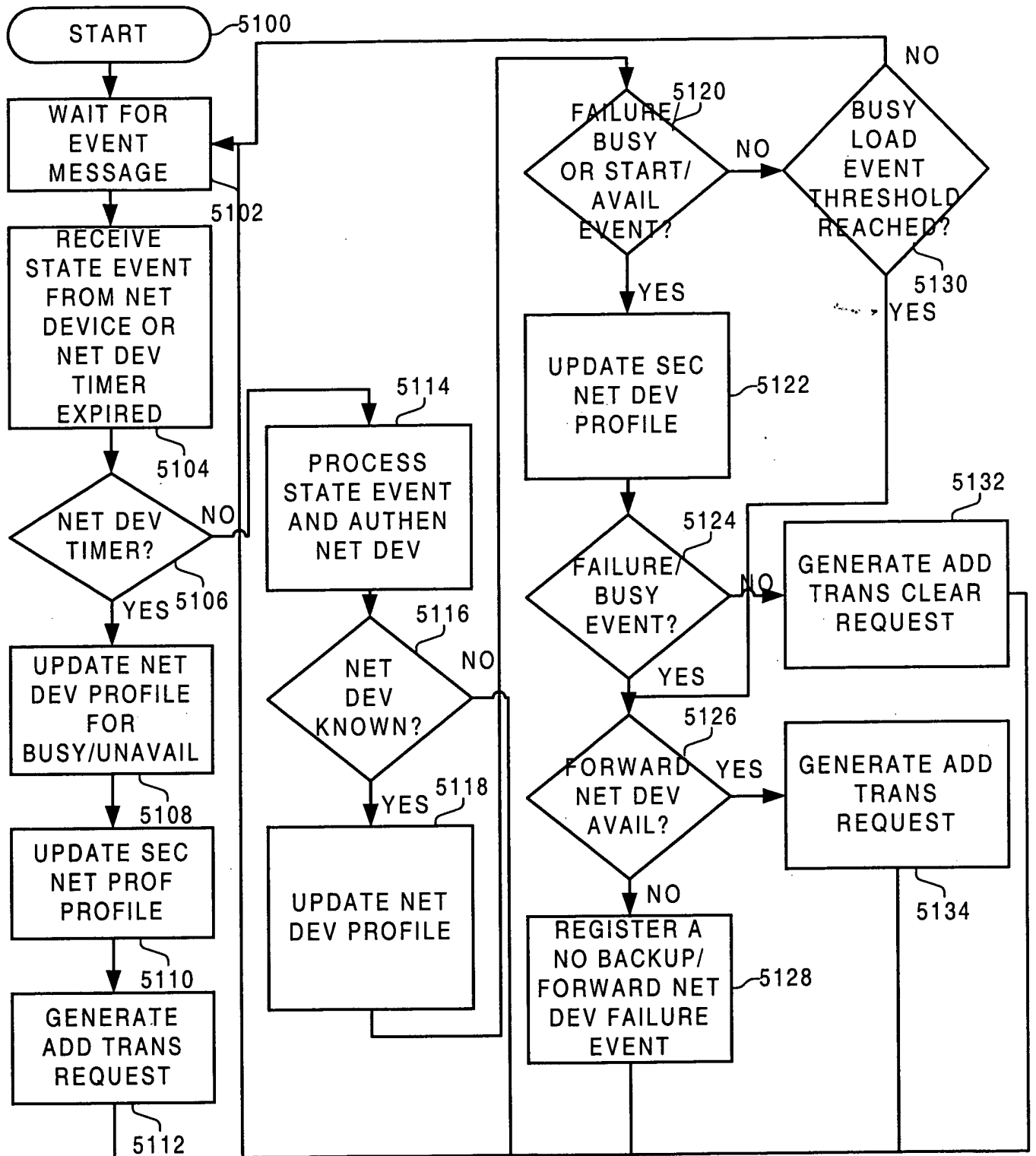


FIG. 51

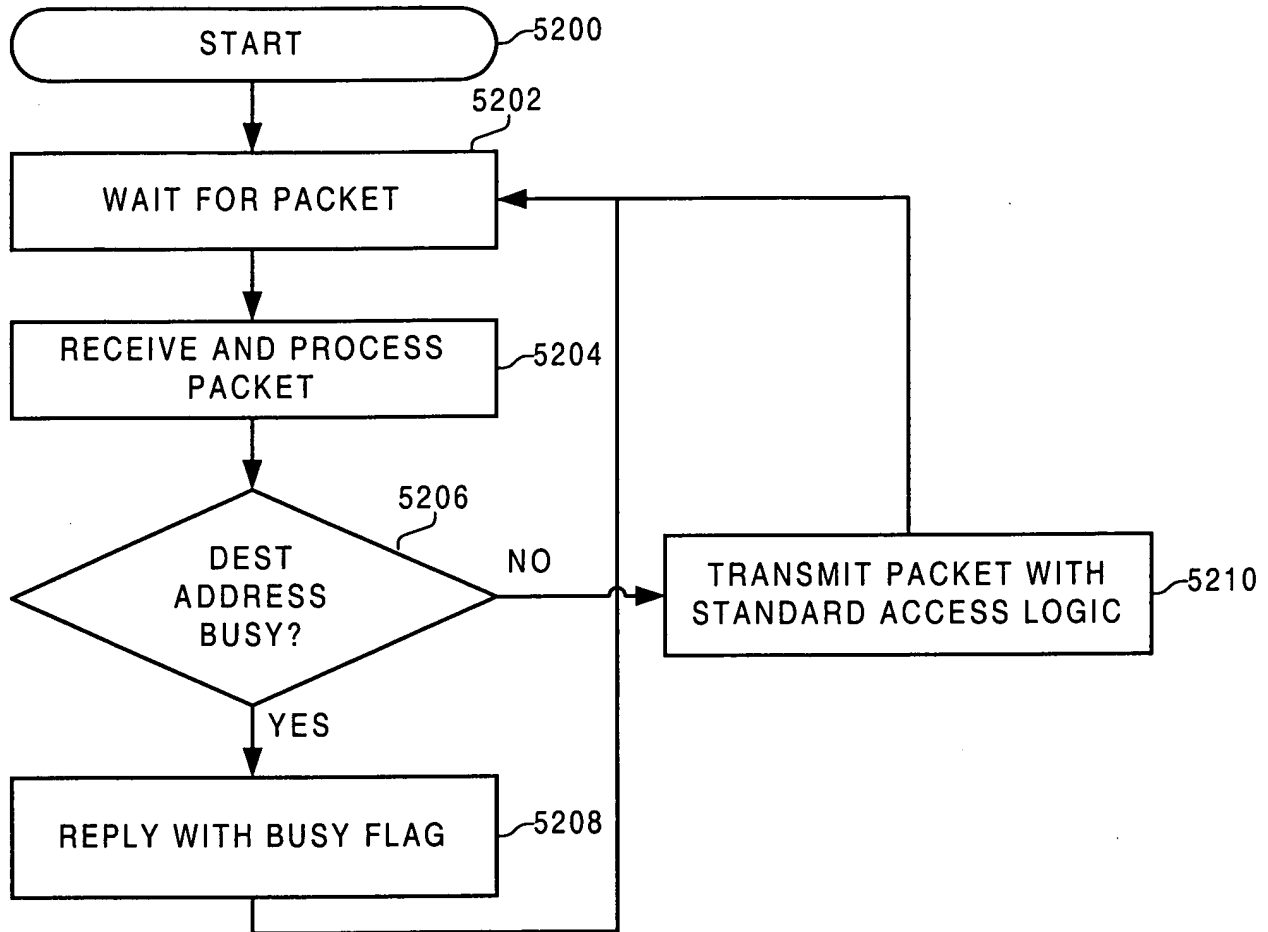


FIG. 52

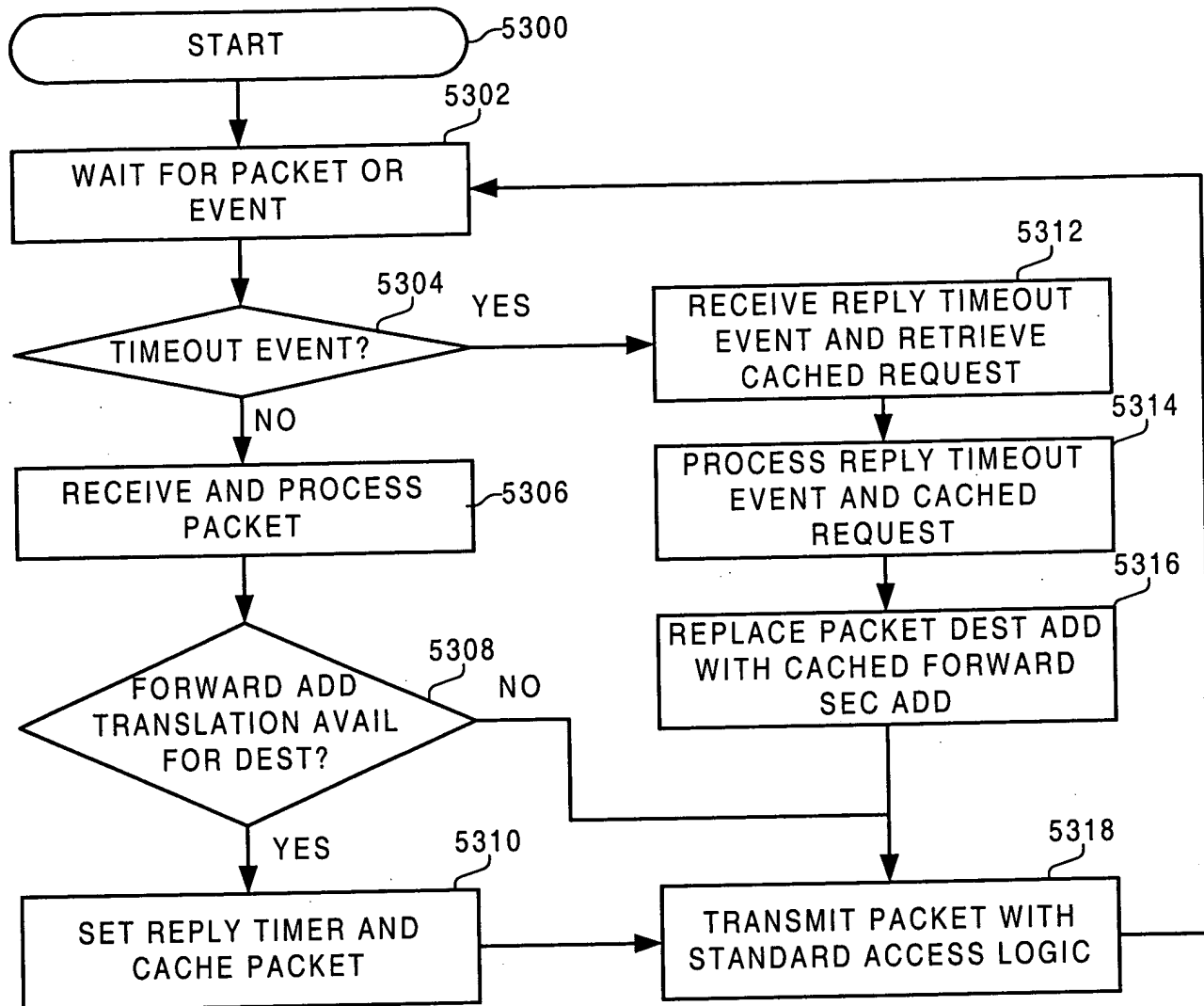


FIG. 53

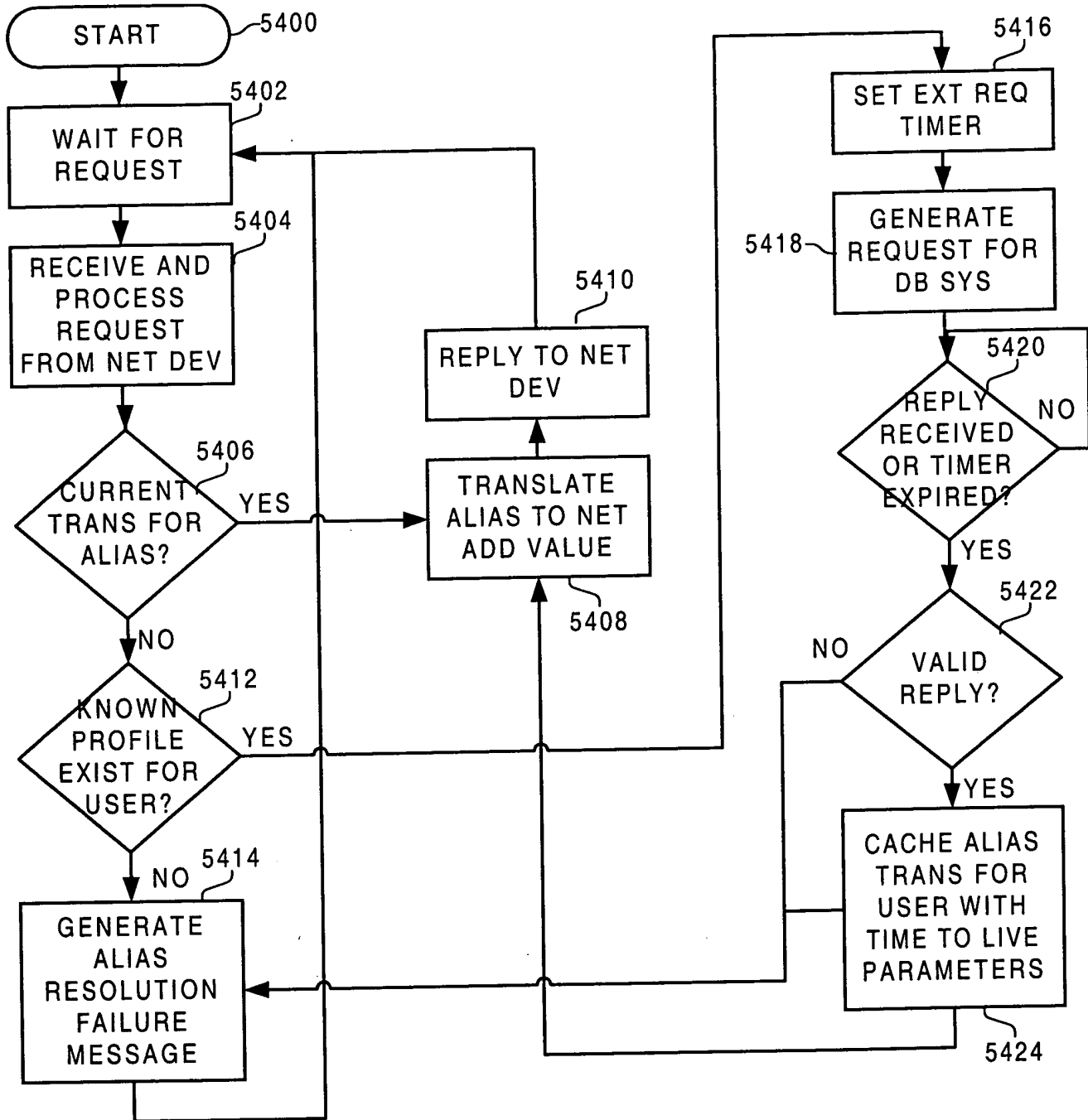


FIG. 54

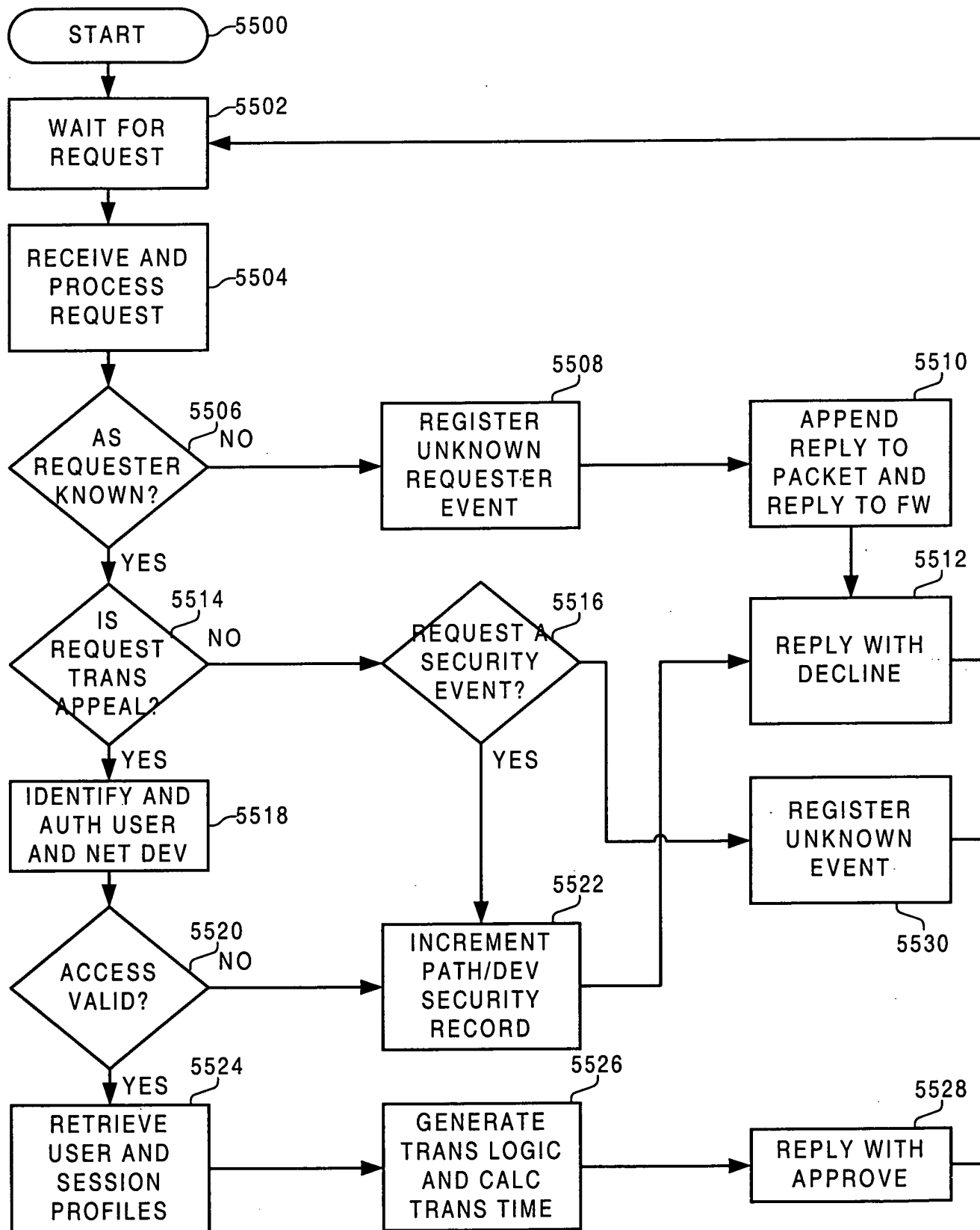


FIG. 55

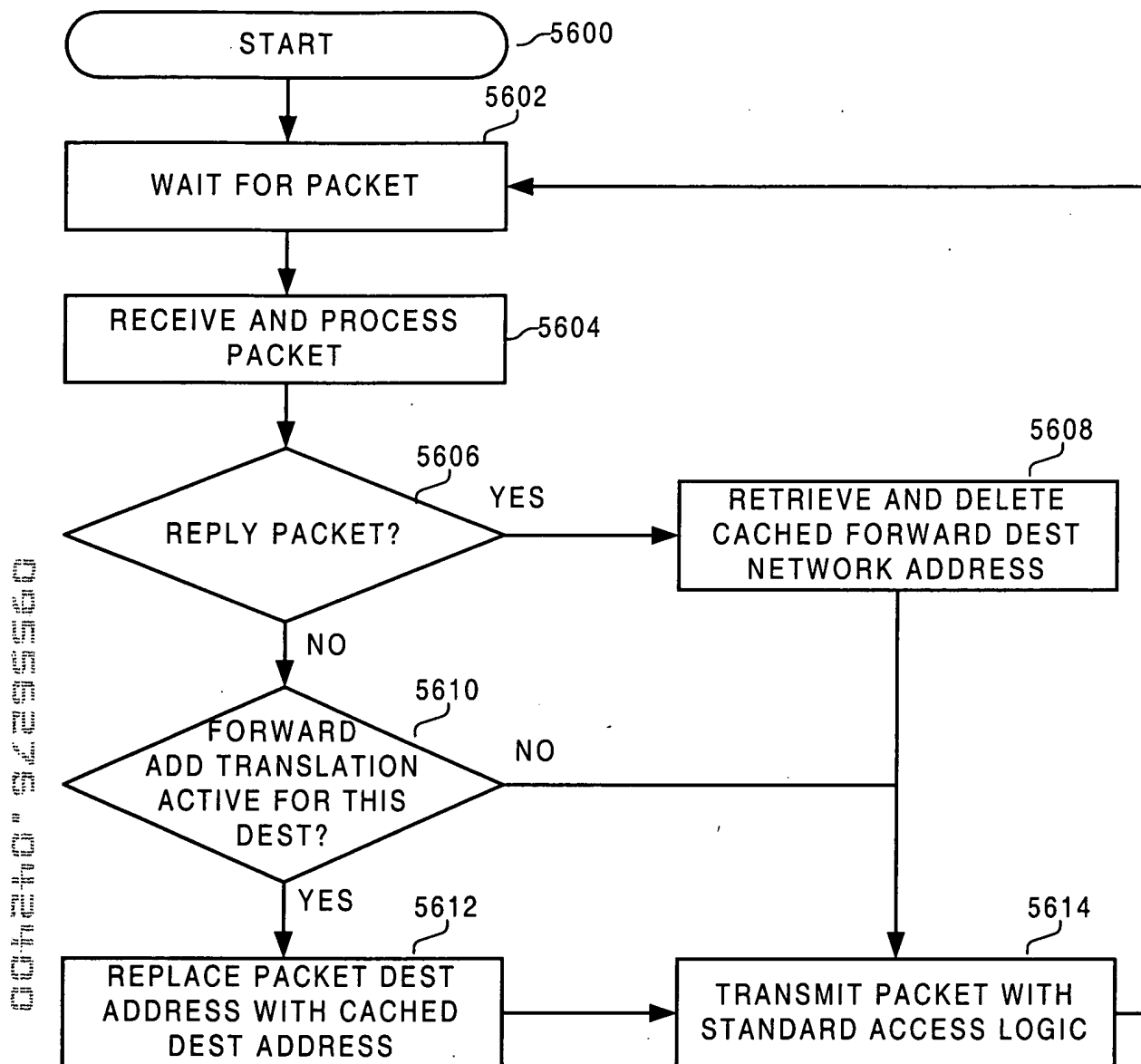


FIG. 56

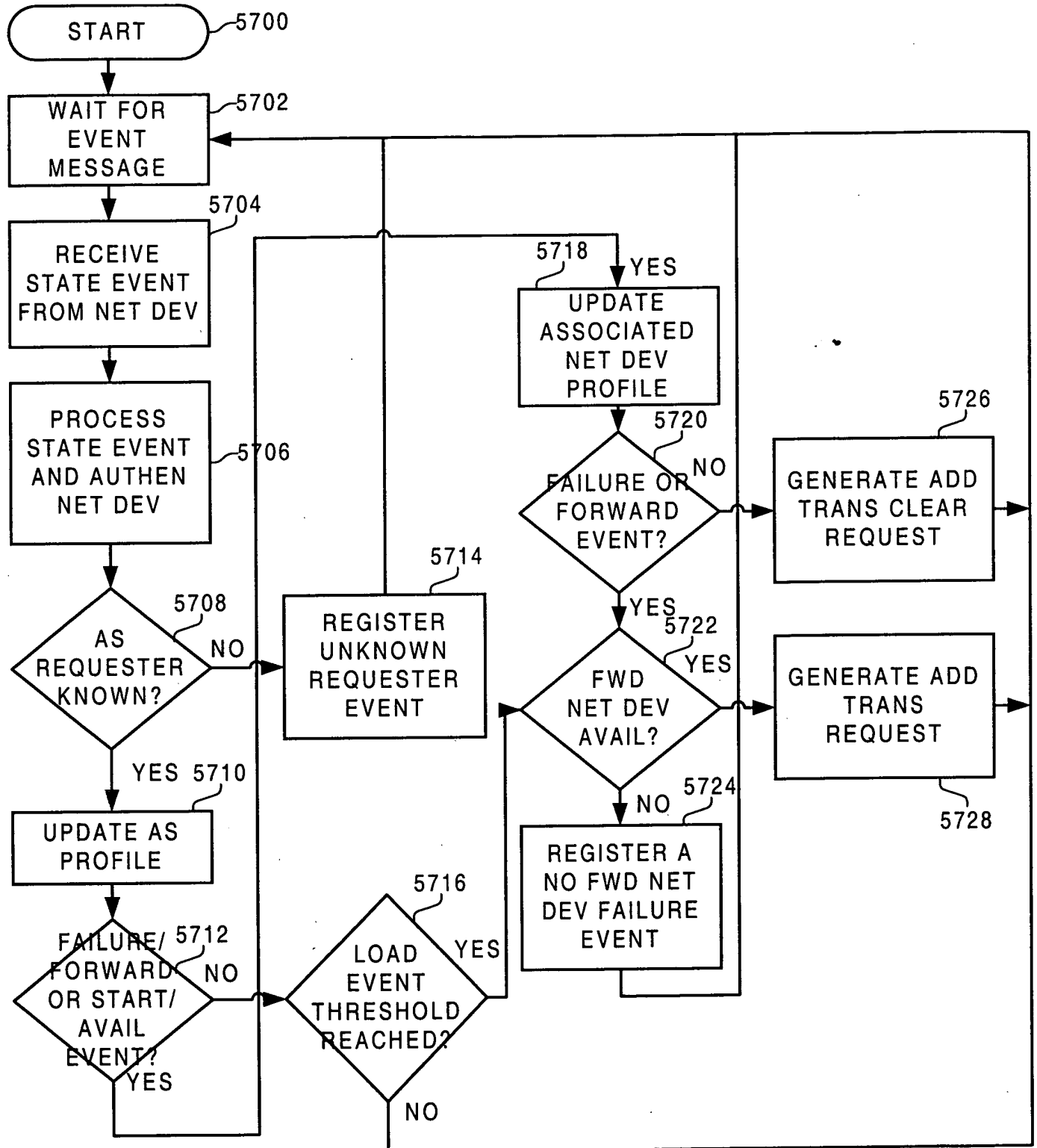


FIG. 57

3044243 3044243 3044243

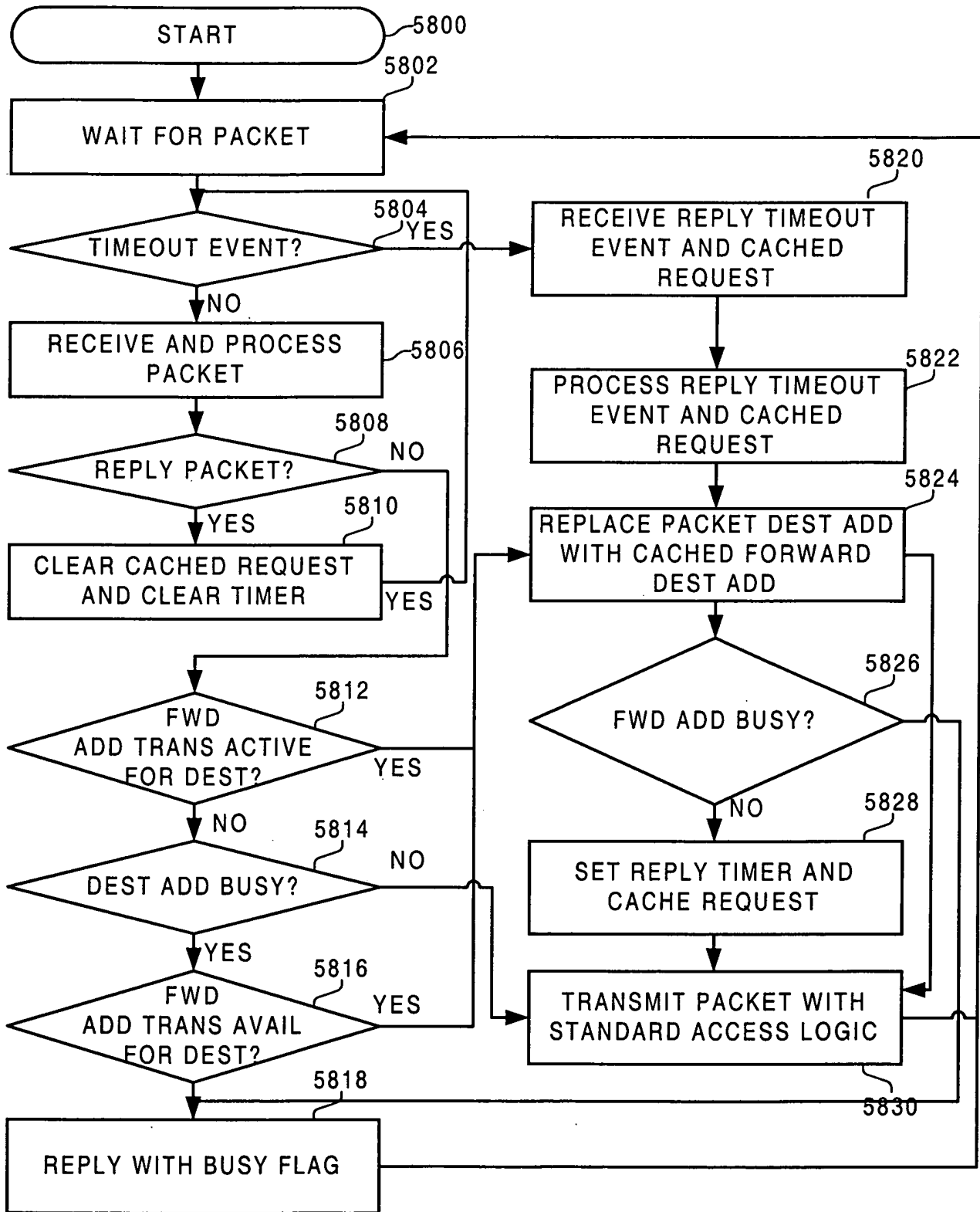


FIG. 58

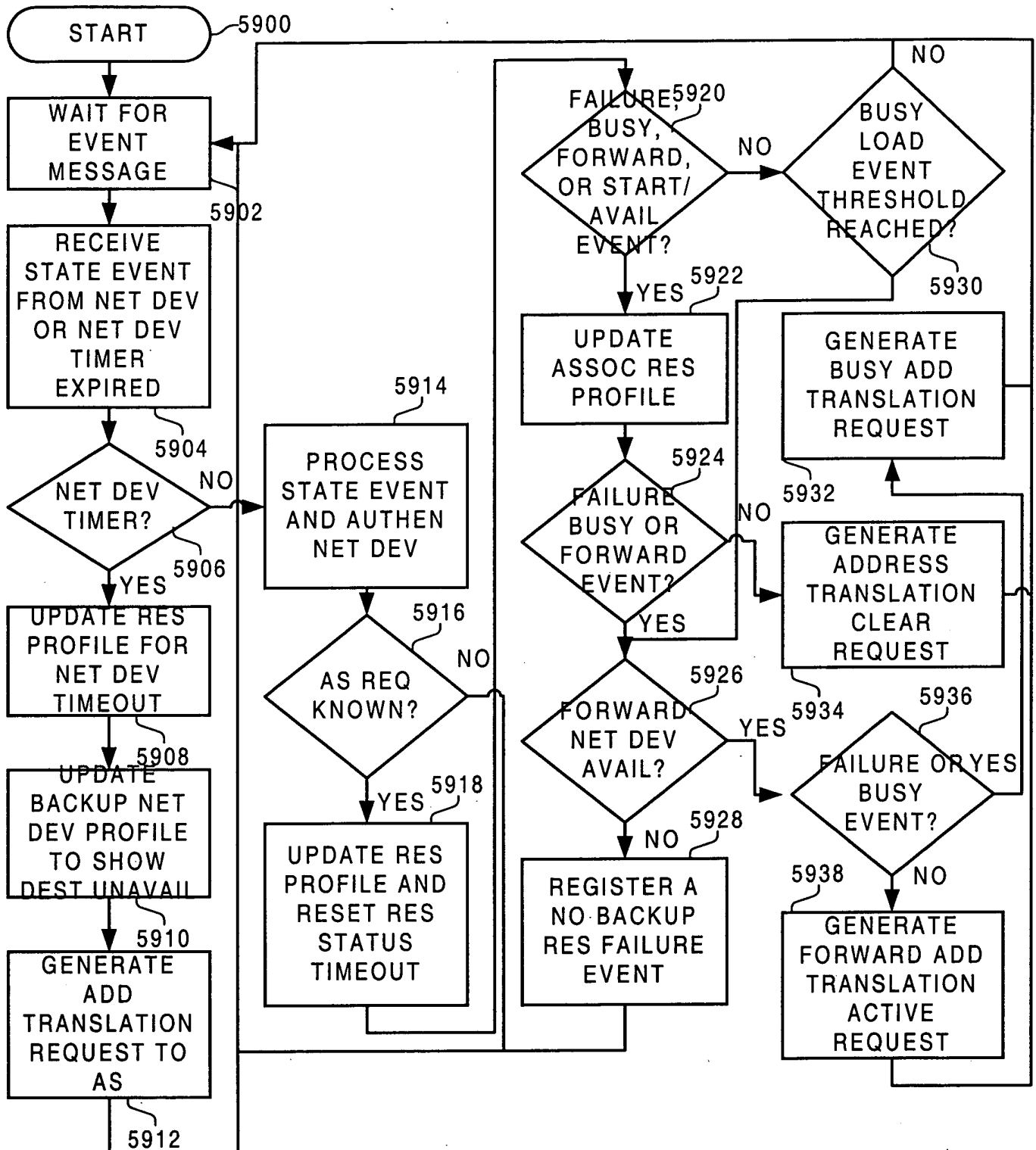


FIG. 59

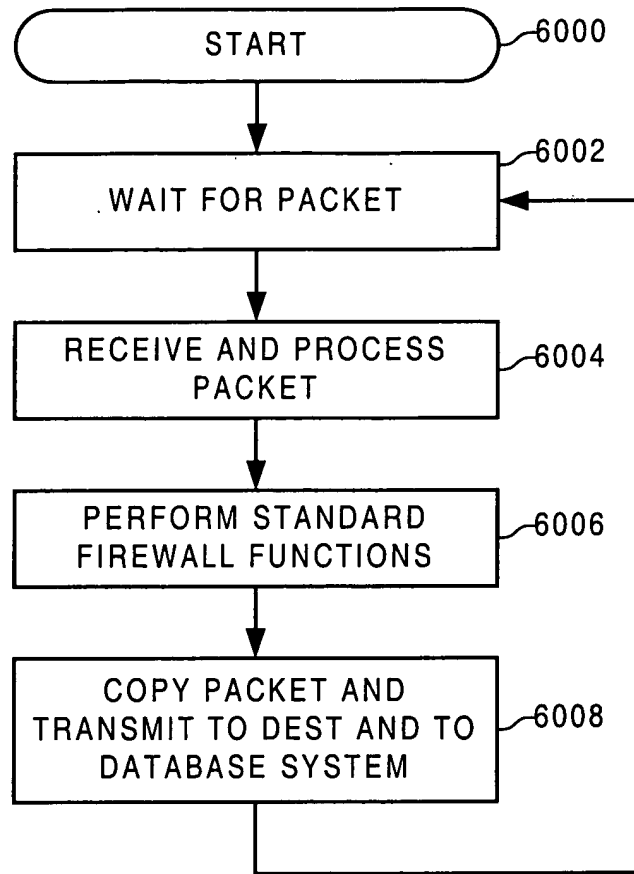
[illegible]

FIG. 60

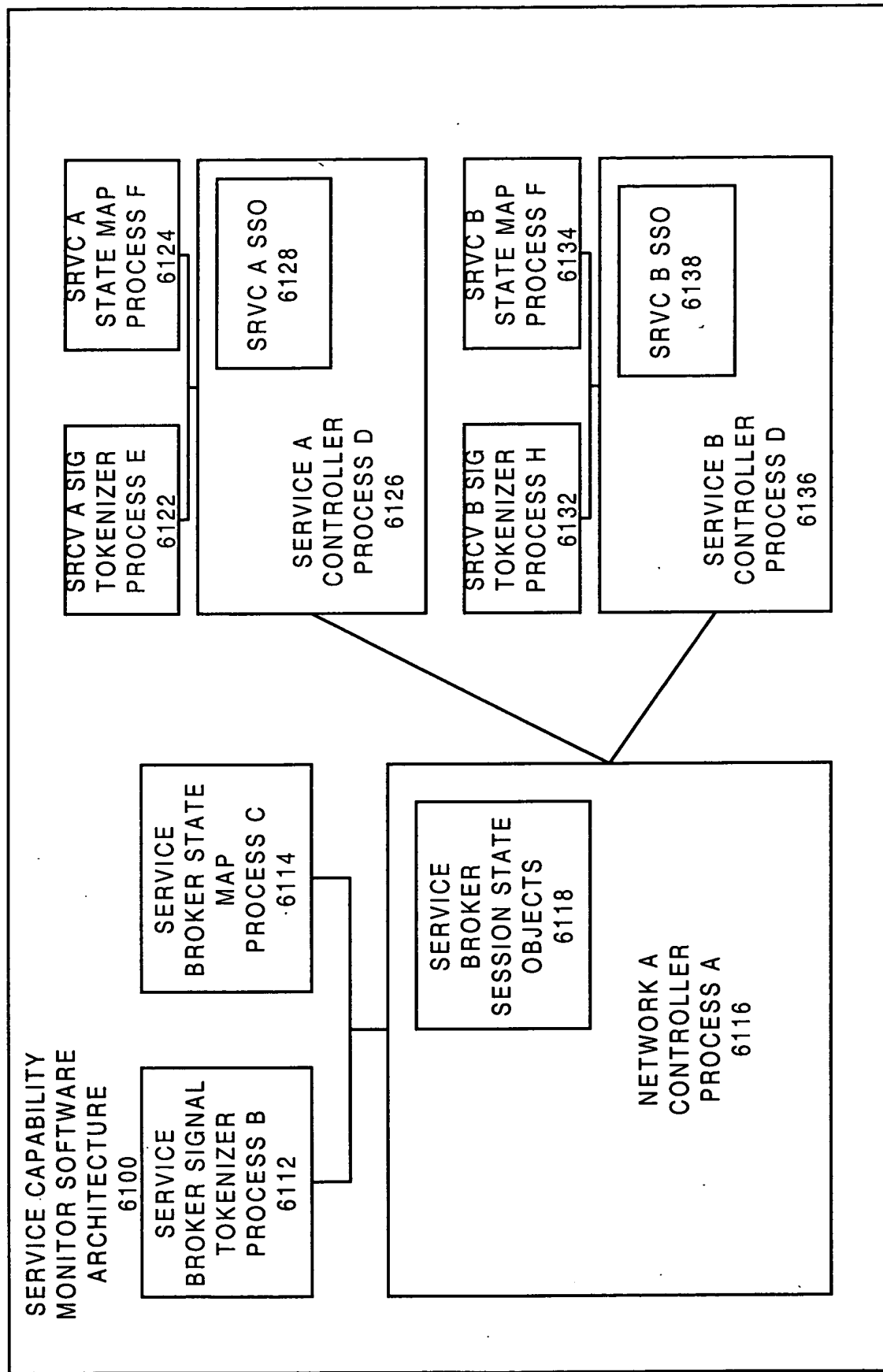


FIG. 61

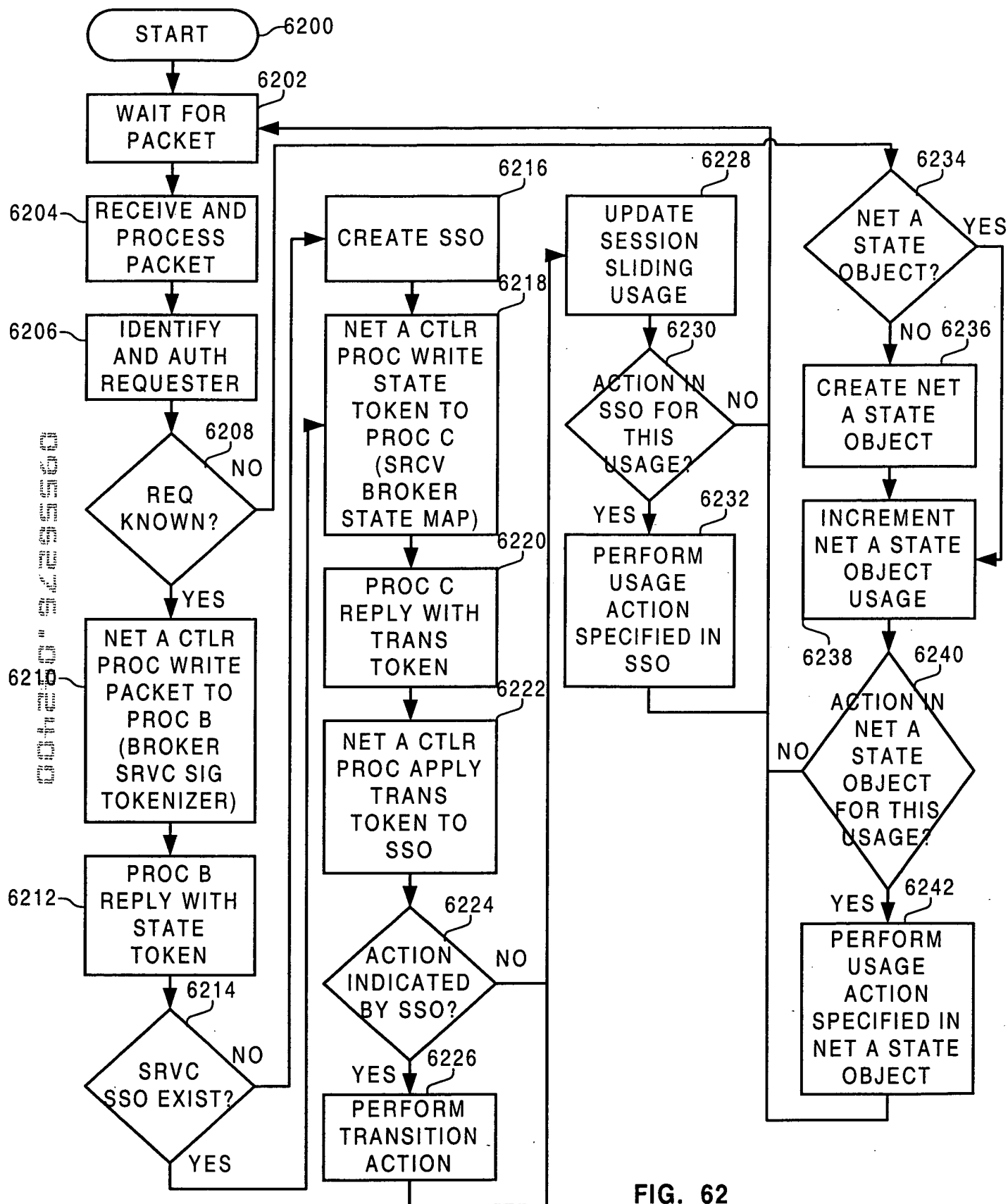


FIG. 62

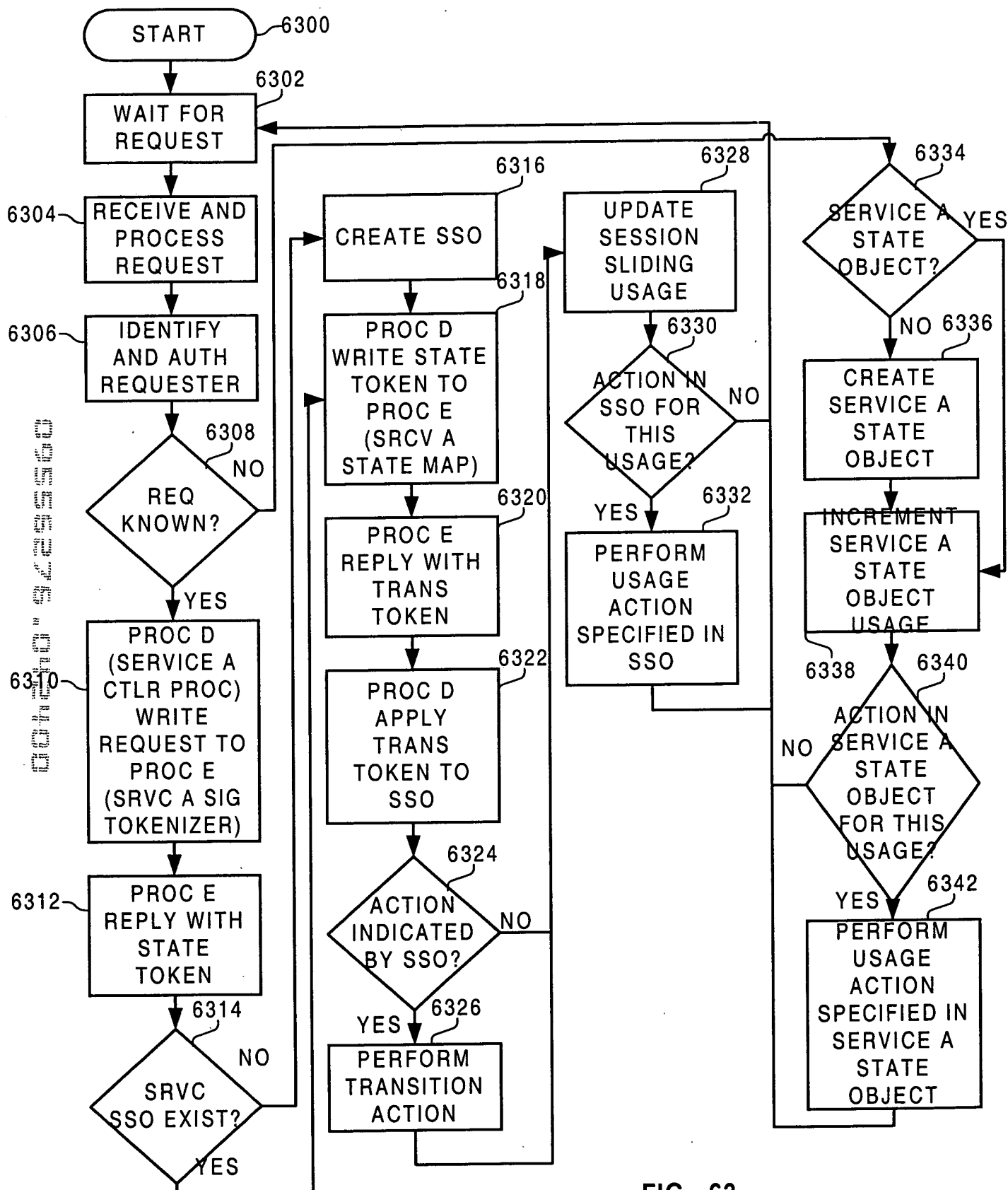


FIG. 63